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PLANS
Policy Statement
La Grande Working Circle
Whitman
Wallowa
Umatilla

October 11, 1938

POLICY STATEMENT
FOR
LA GRANDE WORKING CIRCLE¹
UMATILLA, WHITMAN, AND WALLOWA
NATIONAL FORESTS
OREGON

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SUMMARY

La Grande Working Circle

(Stand Data as of 1936)

Location

Umatilla, Whitman, and Wallowa National Forests, Umatilla, Union, and Wallowa Counties, Oregon

Area

	<u>National Forest Acres</u>	<u>Other Acres</u>
Timbered	400,480	433,610
Non-timbered	<u>54,090</u>	<u>124,435</u>
Total	454,570	558,045

Stand

	<u>National Forest</u> (M. ft. B.M)	<u>Other</u> (M.ft. B.M.)
Ponderosa Pine	550,291	664,236
Douglas fir	396,615	330,834
Western Larch	462,211	252,030
White Fir	375,801	169,481
Engelmann Spruce	95,836	25,438
White Pine	3,510	539
Others	<u>24,241</u>	<u>4,413</u>
Total	1,908,505	1,466,971

Grand Total 3,355,476 M. ft. B.M.

LA GRANDE WORKING CIRCLE

Umatilla, Whitman, and Wallowa National Forests

Introduction

Purpose of Statement

This statement presents stand data, industrial and local timber needs, and other factors from which a sales policy is prepared providing for the orderly removal of National Forest timber to the end that a maximum acreage of all ownerships be left after cutting with an adequate reserve stand to form the nucleus of a second cut.

Source of Data

The stand and acreage data are taken from the Forest Resource Survey recently completed for this unit. Local and commercial needs were determined from forest cutting records and by contact with the various operators.

Previous Cutting

Accurate knowledge is not on hand as to the amount of commercial cutting which has taken place on private land within this circle. However, the following information presents a fairly accurate picture of the present situation.

Elgin Block. No cutting has been done on National Forest land in this block. Considerable cutting was done on private land in the vicinity of Palmer Junction by the old Grande Ronde Timber Co. These and other cuttings have been done as follows:

Ponderosa Pine type – 14,000 acres

Fir-Larch type – 11,500 acres

Five Point Block. Private cutting in this block has been done as follows:

Ponderosa Pine type – 8,300 acres

Fir-Larch type 20,400 acres

This cutting has all taken place northeast of the main line railroad grade between Meacham and La Grande. Cutting on National Forest land has been done as follows:

Ponderosa Pine type – 9,000 acres

Fir-Larch type- 15,100 acres

The Mt. Emily Lumber Co. has operated the above area both on and off the National Forest since 1925. Some old cuttings, however, took place around 1900.

West Starkey Block

Private:	Ponderosa Pine type – 17,300 acres
	Fir-Larch type- 2,500 acres
National Forest:	- Ponderosa Pine type – 14,700 acres
	Fir-Larch type- 3,800 acres

East Starkey Block

Private:	Ponderosa Pine type - 17,900 acres
	Fir-Larch type- 1,500 acres

National Forest – No cutting on National Forest land has been done on this block

Ladd Canyon Block. All but a small area on private land has been cut and a road is being developed into this area at the present time which will deplete all available private timber.

Private: Ponderosa Pine type – 8,720 acres
National Forest: No cutting on National Forest land has been done on this block.

Catherine Creek Block. About 300 acres of National Forest timber in this block has been cut. All of the privately owned accessible land has been cut over. Under present economic conditions no additional private land is available and very little National Forest land.

Private: Ponderosa Pine type - 18,495 acres
National Forest: Ponderosa Pine type – 300 acres

Cove Block. All of the readily accessible private timber has been cut and no more will be available until a road is developed up Indian Creek. There does not seem to be enough pine in the drainage to warrant a road at the present time.

Private: Ponderosa Pine type – 11,415 acres
National Forest: No cutting on National Forest land has been done on this block.

Rondowa Block

Private:	Ponderosa Pine type – 20,000 acres
	Fir- Larch type- 1,000 acres

National Forest: No cutting on National Forest land has been done on this block.

Grossman Block. No cutting on National Forest or private land has been done on this block.

Physiographic Features

Location

This working circle lies in the watershed of the upper Grande Ronde River. It is situated in Umatilla, Union, and Wallowa Counties, and embraces portions of the Umatilla, Whitman, and Wallowa National Forests. The Grossman and Rondowa blocks are privately owned but include some isolated Wallowa Forest tracts. The Cove, Catherine Creek, and Ladd Canyon blocks are situated in and adjacent to the Whitman Forest. The East and West Starkey blocks includes portions of the Umatilla and Whitman Forests lying in the Grande Ronde River watershed above the mouth of Five Point Creek. The Five Point and Elgin blocks lie on the east side of the Grande Ronde valley and include considerable Umatilla National Forest acreage.

<u>Acreage</u>	<u>Commercial</u>	<u>Non-Commercial With Timber</u>	<u>Non-Commercial Without Timber</u>
Private	387,075 A	30,045 A.	121,885 A.
State	1,985		760
County	5,995	305	555
Indian	1,915	250	85
Other Federal	5,730	310	1,150
National Forest	<u>323,055</u>	<u>32,425</u>	<u>54,090</u>
Total	720,755 A	113,335 A.	178,525 A.

Total area within circle – 1, 012,615 acres

Topography

Most of the area within this circle is not excessively rough or rugged. The Meacham Creek drainage, however, is rather steep with numerous rock outcrops. It is also an area of excessively rugged country immediately east of Mount Emily. The upper reaches of north and south Catherine Creek are very steep and rocky and probably will not be logged for some time to come.

Forest Description

Types

Elgin Block

Ponderosa Pine Type. The Total area of 35,600 acres represents 19.5 percentage of the block area is all reasonably accessible.

Douglas fir Type. The total area of 3,345 areas represents 1.9% of the block area. This type is all reasonably accessible.

Fir-Larch Type. The total area of 101,790 acres represents 56.1% of the block area. This type of reasonably accessible.

Non-Restocking Cutovers. There are 750 acres of this classification, which represent .4% of the block area.

Deforested Burns. There are 780 acres in this classification, which represent .4% of the block area.

Other Timber Land Types. The total area of 3,855 acres represents 2.1% of the block area.

Non-Forest or Non-Commercial Types. The total area of 35,575 acres represents 19.6% of the block area.

Five Point Block

Ponderosa Pine Type. The total area of 46,410 acres represents 25.9% of the block area. Most of this timber is accessible and approximately 1/3 cut over.

Douglas fir Type. The total area of 2,915 acres represents 1.7% of the block area.

Fir Larch Type. The total area of 30,295 acres represents 44.9% of the block area. It is largely accessible and approximately ½ cut over.

Non-Restocking Cutover. The total area of 260 acres represents .1% of the block area.

Other Timber Land Types. The total area of 8,280 acres represents 22.9% of the block area.

West Starkey Block

Ponderosa Pine Type. The total area of 89,380 acres represents 45.2% of the block area. Approximately 1/3 of this type has been cut over and all is readily accessible.

Fir-Larch Type. The total area of 50,065 acres represents 25.3% of the block area. Approximately 1/8 of this type has been cut over and all is readily accessible.

Non-Restocking Cutovers. The total area of 625 acres represents .3% of the block area.

Other Timber Land Types. The total area of 31,660 acres represents 16% of the block area.

Non-Forest or Non-Commercial Types. The total area of 26,025 acres represents 13.2% of the block area.

East Starkey Block

This block is all reasonably accessible except the rough country near Limber Jim Lookout.

Ponderosa Pine Type. The total area of 61,895 acres represents 34.3% of the block area. Approximately ¼ of this type has been cut over.

Douglas fir Type. The total area of 350 acres represents .2% of the block area.

Fir-Larch Type. The total area of 50,090 acres represents 27.9% of the block area.

Non-Restocking Cutovers. The total area of 405 acres represents .2% of the block area.

Other Timber Land Types. The total area of 43,425 acres represents 24% of the block area.

Non-Forest or Non-Commercial Types. The total area of 24,285 acres represents 13.4% of the block area.

Ladd Canyon Block

Ponderosa Pine Type. The total area of 10,120 acres represents 28.5% of the block area.

Douglas fir Type. The total area of 250 acres represents .7% of the block area.

Fir-Larch Type. The total area of 9,930 acres represents 23% of the block area.

Other Timber Land Types. The total area of 1,415 acres represents 14% of the block area.

Non-Forest or Non-Commercial Types. The total area of 13,510 acres represents 38.8% of the block area.

Catherine Creek Block

Ponderosa Pine Type. The total area of 27,010 acres represents 28% of the block area.

Douglas fir Type. The total area of 180 acres represents .2% of the block area.

Fir-Larch Type. The total area of 40,990 acres represents 42% of the block area.

Non-Restocking Cutovers. The total area of 490 acres represents .5% of the block area.

Other Timber Land Types. The total area of 10,345 acres represents 10.6% of the block area.

Non-Forest or Non-Commercial Types. The total area of 18,655 acres represents 18.7% of the block area.

Cove Block

Ponderosa Pine Type. The total area of 14,660 acres represents 20.5% of the block area. A major portion is reasonably accessible.

Douglas fir Type. The total area of 810 acres represents 1.1% of the block area.

Fir-Larch Type. The total area of 34,500 acres represents 48.5% of the block area.

Deforested Burns. The total area of 145 acres represents .2% of the block area.

Other Timber Land Types. The total area of 10,965 acres represents 15.2% of the block area.

Non-Forest or Non-Commercial Types. The total area of 10,805 acres represents 14.5 % of the block area.

Rondowa Block

Ponderosa Pine Type. The total area of 15,300 acres represents 44.5% of the block area. Approximately 12,000 acres has been cut over.

Douglas fir Type. The total area of 735 acres represents a negligible amount of the block area. About 10% of this has been cut over.

Fir-Larch Type. The total area of 10,620 acres represents 31% of the block area. About 10% of this has been cut over.

Non-Restocking Cutovers. The total area of 270 acres represents a negligible amount of the block area.

Other Timber Land Types. The total area of 1,795 acres represents about 5% of the block area.

Non-Forest or Non-Commercial Types. The total area of 5,665 acres represents 16% of the block area.

Grossman Block

Ponderosa Pine Type. The total area of 19,735 acres represents 56.3% of the block area.

Douglas fir Type. Is not represented

Fir-Larch Type. The total area of 11,910 acres represents 34.6% of the block area.

Non-Restocking Cutovers. The total area of 115 acres represents a negligible percentage of the block area.

Other Timber Land Types. The total area of 575 acres represents a negligible percentage of the block area.

Non-Forest or Non-Commercial Types. The total area of 2,700 acres represents approximately 6% of the block area.

[Note: 14 pages are missing from photocopied document]

Grossman Block

Bowman-Hicks Co. – 23,755 acres	
Ponderosa Pine	99,082 M ft b.m
Douglas fir	43,484 M ft. b.m
Western Larch	21,824 M ft. b.m
Engelmann Spruce	4,666 M ft. b.m
White fir & others	<u>26,961 M.ft. b.m</u>
Total	196,017 M.ft.b.m

Miscellaneous Small Ownerships – 7,000 acres	
Ponderosa Pine	29,096 M.ft.b.m
Douglas fir	12,769 M.ft.b.m
Western Larch	6,409 M.ft.b.m
Engelmann Spruce	1,371 M.ft.b.m
White fir & others	<u>7,917 M.ft.b.m</u>
Total	57,562 M.ft.b.m

Circle totals:	
Ponderosa Pine	616,242 M.ft.b.m
Other species	732,627 M.ft.b.m

Economic Situation

Towns & Communities

The Mt. Emily and Bowman-Hicks Lumber Companies each operate a large mill in La Grande. The Mt. Emily Lumber Co. will probably compete for any timber put up for sale within the circle. The Bowman-Hicks Lumber Co., however, when they have completed cutting their private timber in the Grossman and Rondowa blocks, intend to close down their mill and move to their California holdings. There is an efficient moderate-size mill in Elgin which is in the market now especially for timber in the Elgin block. There is also a small mill near Summerville which is cutting for local trade. In addition to these mills the farmers in the fertile Grande Ronde valley require considerable timber in connection with their farming units.

Wood Using Industries

The following operators have plants in La Grande, Summerville, and Elgin and cut timber in this circle:

Bowman-Hicks Lumber Co. – La Grande, Oregon

Annual capacity – 30,000 M. ft. b.m

1937 production – 16,231 M ft. b.m

Mt. Emily Lumber Co. – La Grande, Oregon

Annual capacity – 50,000 M. ft. b.m

Annual production – Usually between 20,000 and 35,000 M. ft. b.m

Harold Simpson Mill – Summerville, Oregon

Annual capacity – 4,500 M. ft. b.m

1937 production – 1,100 M. ft. b.m

This operator currently purchases from miscellaneous small owners timber sufficient for his needs. He can readily obtain from these same sources about 5,000 M. ft. b.m. The lumber from this plant is sold to the local trade and is made up of approximately 50% Douglas fir and western larch, the rest being ponderosa pine.

N.F. Reed Mill – Elgin, Oregon

Annual capacity – 13,500 M. ft. b.m.

1937 production – 7,000 M ft. b. m.

Almost the entire cut of this plant is sold to the Ponderosa Pine Lumber Co. where it is manufactured into box shock, moldings, Venetian blinds, and miscellaneous articles which are marketed all over the United States. Mr. Reed purchases logs from small timber owners in the northern part of Union County. There are quite a number of these small holdings and he can continue to secure timber for several years.

In addition to the timber cut each year by the above operators some three or three and one-half million feet of timber is taken each year by woodcutters and settlers. The major portion of such cutting is from species other than ponderosa pine.

Transportation

In the main, the Forest Service, counties, and private operators have opened up the major portion of the timber in this circle. It may be necessary to construct utilization roads into some of the more remote blocks of timber, but private owners should be able to construct most of the roads needed to operate the remaining stands of timber.

Labor Situation

At present the labor situation in La Grande is rather acute. The two large mills there have been operating more or less spasmodically during the past several years. They employ large numbers of semi-transient mill workers. During periods of good lumber prices the laborers are adequately taken care of. Whenever the mills close down, however, large numbers are thrown out of work and almost immediately become a burden upon relief

organizations. Every effort possible should be made to encourage uniform year-around production and the manufacture of diversified timber production rather than straight lumber as is now the practice of these two mills. The Ponderosa Pine Lumber Co. at Elgin has set a wonderful example as to what can be done in this field.

Ownership Problems

The ownership problem in this circle is very troublesome. Considerable acreage is held by private individuals, much of which is in small tracts being managed primarily for purposes other than timber production. Fortunately most of the private cutover are reproducing satisfactorily and eventually, if properly managed and protected, will again support a good stand of timber. The Bowman-Hicks ownership is an exception to this rule, and it is understood that they plan to burn their cutovers rather heavily in an attempt to increase their rental value for grazing purposes.

Silvicultural Policy

Objectives

1. To harvest over-mature, low-vigor mature, defective, and insect-susceptible timber in such a manner as to permit maximum growth and thereby provide material for a second cut at the earliest possible date.
2. To grow saw timber with incidental products including fuel, posts, poles, etc. needed by dependent communities.

Silvicultural System

Ponderosa pine is the most important saw timber species and grows best under a light selection system of cutting. For this reason, the maturity selection system is adopted for this species. Only the over-mature and low-vigor mature trees will be removed, except where thinning is required. This system should provide a cut of from 40% to 60% of the original volume of trees 12 inches d.b.h. and over depending on the maturity of the trees 12 inches d.b.h. and over depending on the maturity of the trees on specific areas, and average about 50% for the circle as a whole. Over-mature trees of good vigor and mature trees of fair vigor will be retained if needed to insure adequate regeneration or to preserve soil values.

Other species will be cut under a selection system, which will provide for the retention of thrifty trees of the smaller diameter classes.

Slash Disposal

Slash will be disposed of in such a manner as will provide adequate hazard abatement without material damage to reproduction or to the reserve stand. Piling and burning or an approved system of modified disposal will be practical. Slash should be left untouched on scab areas in order to retard erosion and to provide cover which will encourage the germination and growth of forage and tree species.

Plan of Action

Ultimate Forest Boundary

A ¼" scale map is included in the appendix showing the proposed ultimate forest boundary for this circle. It is our belief that all forest producing lands should be included within the forest boundary except the farm wood lots which surround the immediate valley edge proper.

Ultimate Circle Boundary

With the inclusion of the East and West Starkey blocks of the John Day-Grande Ronde circle the boundary for this circle is satisfactory.

Sales Policy

It is estimated that the pine that the loggable pine in this circle is 514,217 M board feet. This amount indicates a possible sustained cut for the first cycle of only slightly in excess of 6½ million board feet. Inasmuch as the present installed milling capacity is 78,000 M board feet with some 49 M board feet actually cut in 1937, there is no possibility for sustained cutting during the first cycle. Holding the relatively small amount of Government stumpage in an effort to promote sustained production on private lands is not feasible as it will only hasten the inevitable shortage of timber and cannot bridge the gap that is certain to occur between the first and second cycles. However, National Forest timber is and will continue to be the most effective means of promoting good cutting and slash disposal practices on private timber lands. Such practices are essential if the private lands are to carry their full share of the load during the second cycle when sustained production will be possible provided that the major portion of the circle can be placed under management.

There is not enough National Forest timber available in the circle to exchange for all of the private cutovers. However, the major portion of private cutovers can be so acquired, and every effort should be made to exchange timber for them as rapidly as they are available at attractive prices.

As sustained production for the first cycle is impossible and acquisition of private cutovers is essential to future sustained production, the following sales policy for this circle is established.

Make available for exchange or advertise for sale timber to established operators in blocks not to exceed 50,000 M board feet, provided that the receipts or value thereof shall be used to acquire timber-producing lands within the circle for which acceptable offers have been received, and also provided that the operator affects on his private operations good forestry practices to the end that the land be left after logging in good productive condition and acceptable from a fire risk standpoint. Local requirements for timber products can largely be supplied from species other than ponderosa pine or from logging refuse. Sales for local requirements will be made as needed and usually restricted to species other than ponderosa pine.

Administrative Correlation

Acquisition Program. Private Lands within the National Forest portion of the circle do not create a special problem in forest administration. However, it should be the general policy that they be acquired as soon as they are cut over or offered to us at attractive prices. The private lands adjacent to the Forest boundary, especially in the northern portion of the Grande Ronde valley and some on the lower elevations in the upper Grande Ronde drainage, are very valuable for timber producing purposes. Every effort should be made to acquire them so that they can be placed under permanent forest management and thereby furnish at the earliest possible date their full share of timber products.

The Mt. Emily Lumber Co. is operating under a pre-cutting agreement which requires leaving of a substantial reserve stand and provides for a system of slash disposal which is not detrimental to the reserve stand and reproduction. Their cutover lands are undoubtedly being left in the best condition and if offered at a reasonable price, should be given first consideration in our acquisition program. In addition to the improved cutting practices resulting from our pre-cutting agreement the lands, if acquired, will block out a logical management unit.

The Bowman-Hicks lands in the Rondowa and Grossman blocks are being held at a comparatively high figure. The company practices rather complete brush disposal which results in excessive damage to reproduction. They also cut their timber rather closely and consequently the reserve stand is far from being adequate.

The smaller ownerships should be picked up from time to time as attractive offers are received from them and as finances permit.

Recreation. Certain high-value recreational areas occur within the circle and these values must be preserved when the timber is operated. The recreational plans of the Forests should be checked in regard to this matter before any timber sale contracts or exchange stipulations are executed. Correlation will be especially necessary in the Mt. Emily area.

Grazing. Grazing and timber utilization should in every case be correlated so that active logging operations will not materially interfere with proper grazing use. It is ordinarily feasible to rotate camp use on sheep allotments so that logging will not materially handicap the proper utilization of the various camps. Certain portions of the blocks are meagerly watered and on such areas special care is needed to provide an equitable distribution of water between grazing and timber operations.

Watershed Protection. All of the watersheds except Meacham Creek are valuable from an irrigation standpoint and logging should be carried on in such a manner as not to materially accelerate erosion.

Revision of Statement. This statement will probably require a general revision by 1944. A field check should be made in the near future on the National Forest ponderosa pine areas in order to more closely determine the amount that will be available for exchange purposes.

VOLUME BY SPECIES IN THOUSAND BOARD FEET

ELGIN BLOCK

Ownership	Ponderosa Pine	Douglas fir	Western Larch	White Fir	Engelmann Spruce	White Pine	Others	Total
Private	48,270	59,907	37,287	52,274	3,713	539	819	202,809
County	2,163	4,716	2,547	3,869	72		15	13,382
Other Fed.	2,595	1,033	555	155	13			4,351
Nat. Forest	68,729	78,861	104,079	200,060	30,890	3,510	3,474	489,603
TOTAL	121,757	144,517	144,468	256,358	34,688	4,049	4,308	710,145

FIVE POINT BLOCK

Private	47,355	23,112	14,085	27,648	1,799		394	114,393
State	319	50		20				389
County	424	107	115	158				804
Indian	174	10	2	5	1			192
Other Fed.	1,505	893	552	711				3,661
Nat. Forest	88,204	77,921	50,919	89,334	6,056		2,005	314,439
TOTAL	137,981	102,093	65,673	117,876	7,856		2,399	433,878

WEST STARKEY BLOCK

Private	129,398	37,294	32,978	2,626	342		439	203,077
State	2,320	670	658	160				3,808
County	768	480	151	325	8		3	1,735
Indian	7,507	3,978	1,258	490	93		70	13,396
Other Fed.	483	129	16					628
Nat. Forest	224,287	104,156	77,036	18,834	2,310		4,864	431,487
TOTAL	364,763	146,707	112,097	22,435	2,753		5,376	654,131

VOLUME BY SPECIES IN THOUSAND BOARD FEET (CONT.)

EAST STARKEY BLOCK

Ownership	Ponderosa Pine	Douglas Fir	Western Larch	White Fir	Engelmann Spruce	White Pine	Others	Total
Private	131,745	44,424	35,049	2,889	1,145		6	215,258
County	6	245	445	85	56		4	841
Other Fed.	193	22	10					225
Nat. Forest	108,043	63,677	112,702	20,151	21,230		4,774	330,577
TOTAL	239,987	108,368	148,206	23,125	22,431		4,784	546,901

LADD CANYON BLOCK

Private	10,035	9,277	7,468	4,026	220		123	31,149
State								
Other Fed.	1,201	755	834	301	44		24	3,159
Nat. Forest	5,492	3,726	2,490	1,615	121		68	13,512
TOTAL	16,726	13,758	10,792	5,942	385		215	47,820

CATHERINE CREEK BLOCK

Private	52,085	32,056	33,330	15,801	3,742		640	137,654
State	37	32	50	167	16		17	319
County	347	147	249	198	151		2	1,094
Other Fed.	741	800	972	309	120		25	2,967
Nat. Forest	42,716	47,821	78,999	25,690	21,907		4,317	221,450
TOTAL	95,926	80,856	113,600	42,165	25,936		5,001	363,484

COVE BLOCK

Private	34,433	30,678	40,397	11,980	5,933		1,321	124,742
State	330	116	195	55	25			721
County	568	1,530	1,960	835	290		71	5,254
Other Fed.	831	1,545	2,947	734	352		183	6,592
Nat. Forest	11,710	20,085	35,866	20,037	13,322		4,739	105,759
TOTAL	47,872	53,954	81,365	33,641	19,922		6,314	243,068

VOLUME BY SPECIES IN THOUSAND BOARD FEET (CONT.)

RONDOWA BLOCK

Ownership	Ponderosa Pine	Douglas Fir	Western Fir	White Fir	Engelmann Spruce	White Pine	Others	Total
Private	47,187	16,447	7,594	6,600	824			78,652
State	30	5	5					40
County	1,568	518	94	108	27			2,315
Other Fed.	1,295	910	179	38				2,422
Nat. Forest	470	86	28					584
TOTAL	50,550	17,966	7,900	6,746	851			84,013

GROSSMAN BLOCK

Private	128,178	56,253	26,233	34,878	6,037		254	253,833
State	140	142	70	105	35			492
County	1,290	786	886	714	66		3	3,745
Other Fed.	8,715	1,767	859	1,217	314			12,872
Nat. Forest	640	282	92	80				1,094
TOTAL	138,963	59,230	30,140	36,994	6,452		257	272,036

WORKING CIRCLE TOTALS

Private	628,686	309,448	236,421	158,722	23,755	539	3,996	1,361,567
State	3,176	1,015	978	507	76		17	5,769
County	7,134	8,529	6,447	6,292	670		98	29,170
Indian	7,681	3,988	1,260	495	94		70	13,588
Other Fed.	17,559	7,854	6,924	3,465	843		232	36,877
Nat. Forest	550,291	396,615	462,211	375,801	95,836	3,510	24,241	1,908,505
GRAND TOTAL	1,214,527	727,449	714,241	545,282	121,274	4,049	28,654	3,355,476

TYPES IN ACRES

ELGIN BLOCK

Ownership	Ponderosa Pine				Douglas Fir		Fir-Larch		Non-ReStocking	Defor-ested Burns	Other Tbr. Types	Non-For. or Non-Comm.	Total
	Mature	Im-mature	Reprod	Wood-land	Mature	Second Growth	Large	Small					
Private	3,795	5,425	14,900	85	2,410	210	17,240	18,355	750	45	975	30,190	94,380
State			285					260				240	785
County	180	55	210		205	5	1,360	660		25	10	150	2,860
Other Fed.	250	15					75	215				45	600
Nat. Forest	10,290	85	10	15	515		47,630	15,995		710	2,870	4,950	83,070
TOTAL	14,515	5,580	15,405	100	3,130	215	66,305	35,485	750	780	3,855	35,575	181,695

FIVE POINT BLOCK

Private	5,175	6,540	10,200	520	435	805	10,035	21,180	250		6,155	15,160	76,455
State	15	85	185				10	145				175	615
County	15	170	315				55	265	10		45	70	945
Indian		140	10				5	350			205		710
Other Fed.	180	95					295	240			10	40	860
Nat. Forest	9,955	8,100	3,700	1,010	1,520	155	34,105	13,610			1,865	25,435	99,455
TOTAL	15,340	15,130	14,410	1,530	1,955	960	44,505	35,790	260		8,280	40,880	179,040

WEST STARKEY BLOCK

Private	17,150	10,360	18,515	1,495			7,770	9,305	625		10,325	19,020	94,565
State	305	95	40				160	30				35	665
County	110	60	5				105	80				10	370
Indian	820	180	15				395				45	85	1,540
Other Fed.	50	70	80	25				130			60	225	640
Nat. Forest	30,800	7,350	660	1,195	90		25,815	6,275			21,230	6,650	100,065
TOTAL	49,235	18,115	19,315	2,715	90		34,245	15,820	625		31,660	26,025	197,845

EAST STARKEY BLOCK

Private	16,920	3,675	25,420	925	35	80	6,695	7,745	405		5,175	20,455	88,530
County			10				95				155	20	280
Other Fed.	35		20	5								140	200
Nat. Forest	13,355	225	165	130	185	50	26,065	9,490			38,095	3,670	91,430
TOTAL	30,310	3,900	26,615	1,060	220	130	32,855	17,235	405		43,425	24,285	180,440

TYPES IN ACRES (Cont.)

LADD CANYON BLOCK

Ownership	Ponderosa Pine				Douglas Fir		Fir-Larch		Non-ReStocking	Defor-ested Burns	Other Tbr. Types	Non-For. or Non-Comm.	Total
	Mature	Im-mature	Reprod	Wood-land	Matur e	Second Growth	Large	Small					
Private	260	2,235	6,485	60			3,315	5,170			705	13,215	31,625
County								15				65	80
Other Fed.	100	5	230				315	15				135	800
Nat. Forest	760	35	10	70			1,080	20			495	95	2,720
TOTAL	1,120	2,275	6,725	215	250		4,710	5,220			1,200	13,510	35,225

CATHERINE CREEK BLOCK

Private	3,260	8,185	9,310	180	35	145	12,170	4,400	490		1,410	7,040	46,625
State		15	65				55					65	208
County		70	100				135	15			70		398
Other Fed.	25	125	140	10			380	200			205	90	1,175
Nat. Forest	5,510	205		620			22,145	1,490			7,850	11,460	49,230
TOTAL	8,795	8,600	9,615	810	35	145	34,885	6,105	490		9,535	18,655	97,670

COVE BLOCK

Private	1,270	6,315	5,100	25	340	465	10,745	7,035		145	805	9,670	41,915
State		110	10				50					150	320
County	70	15					510	60			15	90	760
Other Fed.	110		25		5		730	40			35	55	1,000
Nat. Forest	1,575	70		65			8,770	6,560			10,020	840	27,900
TOTAL	3,025	6,510	5,135	90	345	465	20,805	13,695		145	10,875	10,805	71,895

RONDOWA BLOCK

Private	6,090	3,945	4,515	675	545	35	1,455	8,665	270		1,015	4,995	32,205
State	5							5				30	40
County	200		25		10		80	270				70	653
Other Fed.	265	95	85	60	140		40	45				345	1,075
Nat. Forest	75			45		5		60				225	410
Total	6,635	4,040	4,625	780	695	40	1,575	9,045	270		1,015	5,665	34,385

TYPES IN ACRES (Cont.)

GROSSMAN BLOCK

Ownership	Ponderosa Pine				Douglas Fir		Fir-Larch		Non-Re-Stock-ing	Defor-ested Burns	Other Tbr. Types	Non-For. or Non-Comm.	Total
	Mature	Im-mature	Reprod	Wood-land	Mature	Second Growth	Large	Small					
Private	13,365	395	345				9,290	6,670	115		575	1,950	32,705
State							35	5					40
County	80	20					365	10				120	595
Other Fed.	375						390					75	840
Nat. Forest	130	25					30					55	240
Total	13,950	440	345				10,110	6,685	115		575	2,200	34,420

WORKING CIRCLE TOTALS

Private	67,285	47,075	95,790	3,965	3,980	1,740	78,715	88,525	2,905	190	27,140	121,695	539,005
State	325	305	585				310	460				760	2,745
County	655	390	665		215	5	2,705	1,360	10	25	295	530	6,855
Indian	820	320	25				400	350			250	85	2,250
Other Fed.	1,390	405	580	100	145		2,225	885			310	1,150	7,190
Nat. Forest	72,450	16,095	4,545	3,235	2,380	210	165,460	53,500		710	82,425	53,380	454,570
GRAND TOTAL	142,925	64,590	102,190	7,300	6,720	1,955	249,995	145,080	2,915	925	110,420	177,600	1,012,615

VOLUME OF ACCESSIBLE PONDEROSA PINE IN THOUSAND BOARD FEET

(Data as of September 1, 1938)

ELGIN BLOCK

Ownership	Assessable	Reserve Stand	Inaccessible	Gross Stand P.P.
National Forest	25,840		42,889	68,729
Private	12,364	22,161	13,745	48,270
Other	1,410	1,954	1,394	4,758
Total	39,614	24,115	58,028	121,757

FIVE POINT BLOCK

National Forest	18,368	26,126	43,710	88,204
Private	11,856	23,137	12,362	47,355
Other		2,409	13	2,422
Total	30,224	51,672	56,085	137,981

WEST STARKEY BLOCK

National Forest	123,931	24,210	42,357	190,498
Private	63,448	29,283	15,521	108,252
Other	8,125	621	2,332	11,078
Total	195,504	54,114	60,210	309,828

EAST STARKEY BLOCK

National Forest	72,768	1,835	33,440	108,043
Private	41,700	24,352	22,736	88,788
Other		199		199
Total	114,468	26,386	56,176	197,030

LADD CANYON BLOCK

National Forest	5,426		66	5,492
Private	1,000	7,815	1,220	10,035
Other	599	602		1,201
Total	7,025	8,417	1,286	16,728

CATHERINE CREEK BLOCK

National Forest	2,615	400	38,001	41,016
Private		32,952	6,689	39,641
Other		362	623	985
Total	2,615	33,714	45,313	81,642

COVE BLOCK

National Forest	2,000		9,701	11,710
Private	914	25,655	7,864	34,433
Other		73	1,656	1,729
Total	2,914	25,728	19,230	47,872

Volume of Accessible Ponderosa Pine in Thousand Board Feet (Cont.)
(Data as of September 1, 1938)

RONDOWA BLOCK

Ownership	Accessible	Reserve Stand	Inaccessible	Gross Stand P.P.
National Forest	470			470
Private	9,437			9,437
Other	778			778
Total	10,685			10,685

GROSSMAN BLOCK

National Forest	512		128	640
Private	102,540		25,638	128,178
Other	8,116		2,029	10,145
Total	111,168		27,795	138,963

WORKING CIRCLE TOTALS

National Forest	251,930	52,571	210,301	514,802
Private	243,259	165,355	105,775	514,389
Other	19,028	6,220	8,047	33,295
Grand Total	514,217	224,146	324,123	1,062,486

*Volume less than original resource survey estimate because of cutting done since the survey was completed.

The accessible volume shown above represents the ponderosa pine which can be logged without regard to other species. At such time as other species are taken and will contribute their share toward operating costs an additional volume will be available. The amounts shown as accessible represent the gross stand on the accessible acreage and include that portion of the stand which will be retained to form the basis of the next cut.