

UNITED STATES DEPARTMENT OF AGRICULTURE

FOREST SERVICE

North Pacific District

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Portland, Oreg.

S R-6

Timber Surveys, Umatilla
Camas Creek Project

December 17, 1932

The Forester,¹

Washington, D. C.

Dear Sir:

Enclosed is one copy of the Descriptive Report pertaining to Camas Creek timber survey project on Umatilla National Forest.

Very truly yours,

C. J. Buck, Regional Forester

By Acting.

Enclosure

¹ This document was transcribed from a photocopy of the original, which is located in the Supervisor's Office Silviculture Library Archives. To the greatest extent possible, this version is an exact duplicate of the original text.

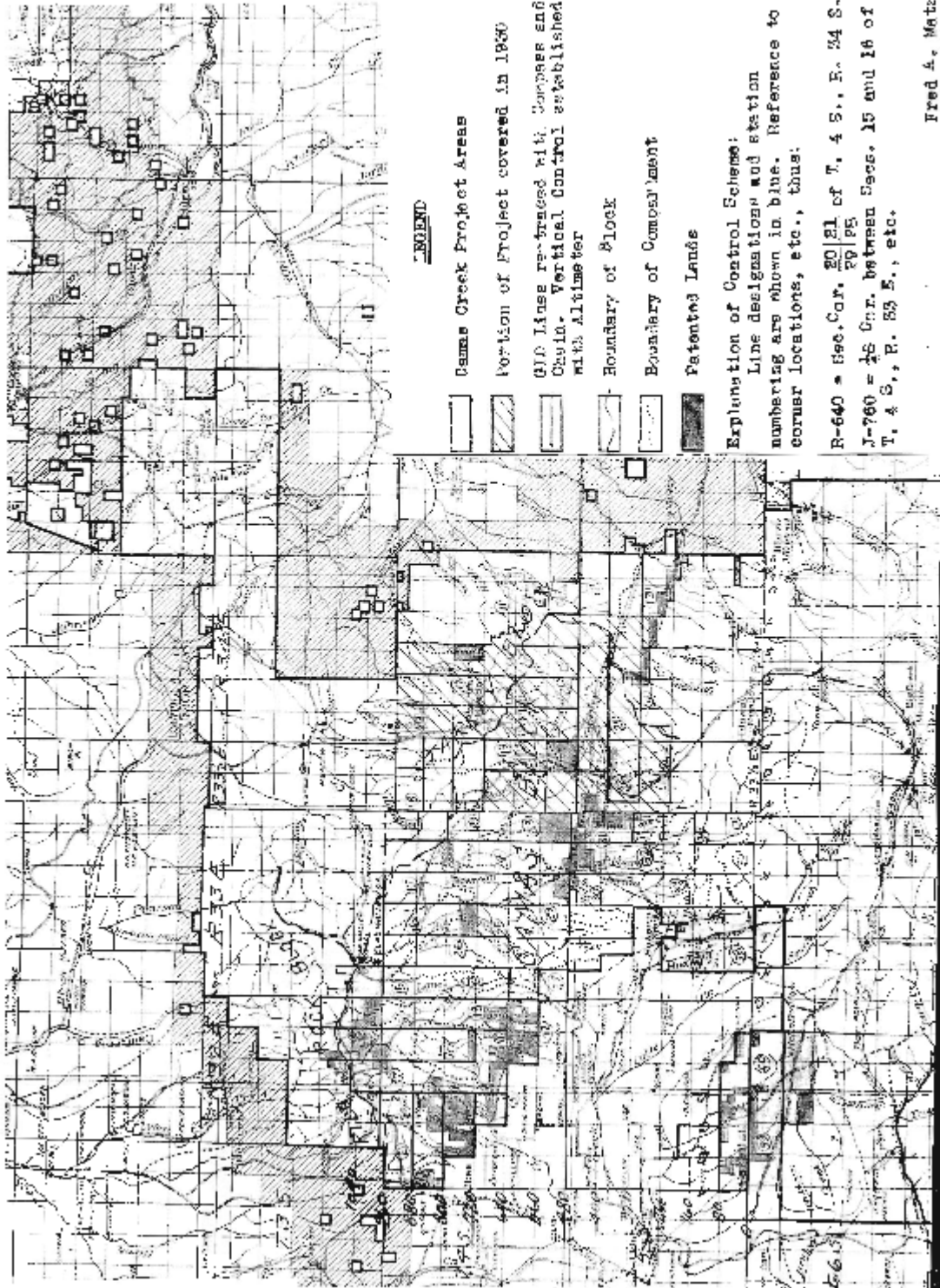
S R-6
Timber Surveys, Umatilla
Camas Creek Project

Portland, Oregon
June 1, 1932

DESCRIPTIVE REPORT
CAMAS CREEK TIMBER SURVEY PROJECT
UMATILLA NATIONAL FOREST

1930 and 1931

Fred A. Matz,
Chief of Timber Surveys.



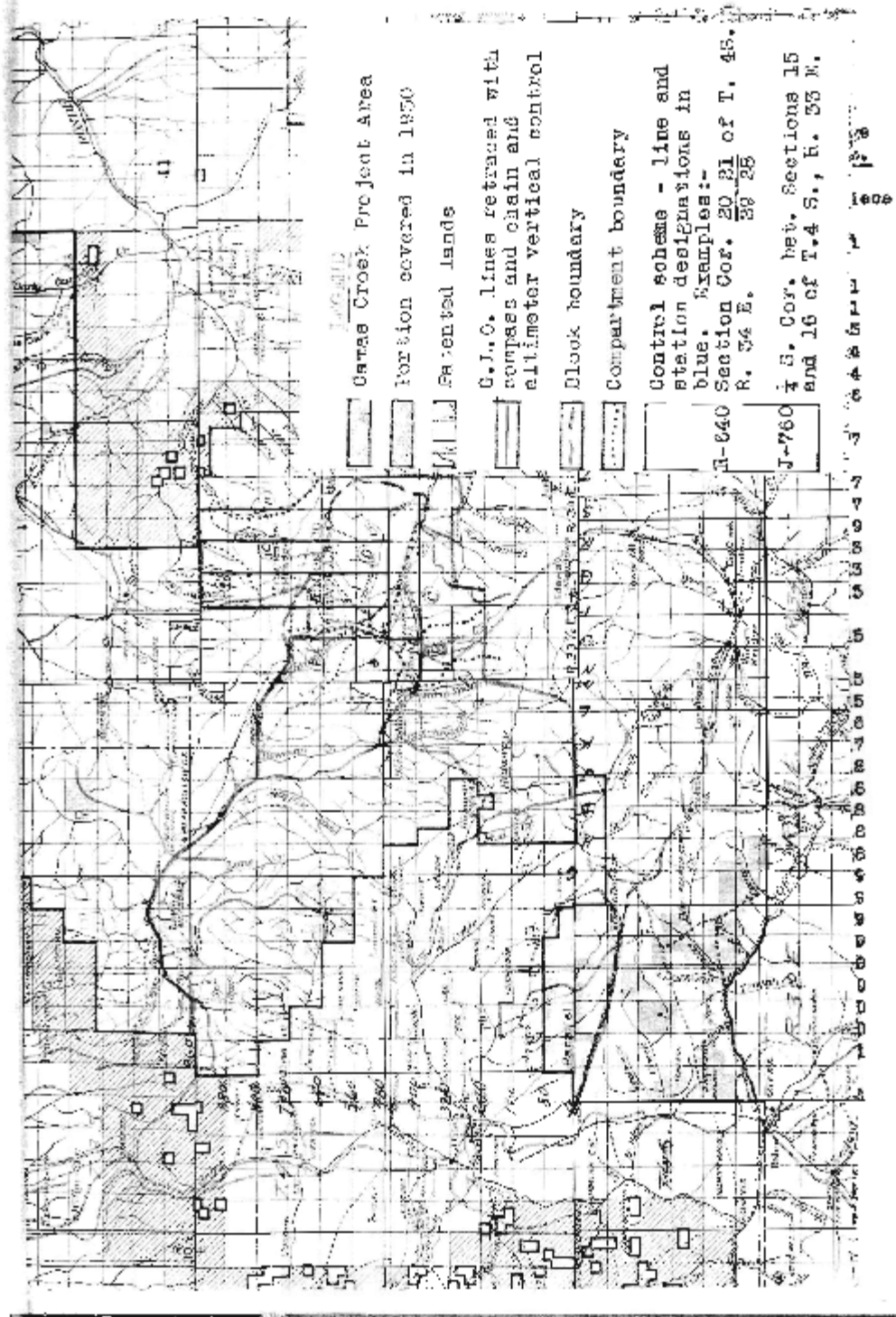


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DESCRIPTIVE REPORT

I. INTRODUCTION

Maps

The frontispiece of this report is formed by a map, ¼-inch-to-the-mile scale on which are shown the project area, the management subdivision, and other additional information in accordance with the accompanying legend.

The timber estimates and forest type information are shown on blue line prints, 4-inches-to-the-mile scale, which are bound in the Forest Management timber survey folder. The forest types are shown in colors on the topographic plats and the block and compartment boundaries are shown on the timber estimate plats. A summary at the lower margin of the estimate plats gives the information concerning both the acreages of types and the timber estimates.

History of the Project

The Mount Emily Lumber Co. having their mill and limber yards in La Grande, Oregon, have been operating in Government timber at the head of the Grande Ronde Valley. Actual cutting of timber is being done in a portion of one of the townships included in this report. This company is dependent upon Government timber to sustain their operation and for this reason have had their cruisers look the ground over, and have also examined possible railroad routes into this project area. The patented land acreage within the project boundaries is comparatively small and is no great factor toward exploitation of the timber. The timber will log most feasibly to the logging railroad maintained by the company, and because of their expressed desire that they be permitted to make application for the purchase of the timber, the timber survey work was authorized. The field work was conducted during the fall of 1930 and the summer of 1931.

On October 14, 1930 the field party moved from Camp Creek on the Malheur National Forest to Frazier Ranger Station on this project. Work started on the following day and was continued until November 9, on which date the camp was packed up, the most of the equipment being stored at Bear Wallow Ranger Station; the remainder at Pendleton. During the stay at Frazier Ranger Station, the crew covered a little more than one-fourth of the entire area in the project.

The 1931 field work started on June 22 from a campsite established at Bear Wallow Spring which is about one mile southeast of Bear Wallow R. S. From this camp it was possible to drive to and from work with the light auto trucks assigned to the party so that all the area lying westward to the project boundary and as far east as necessary to connect with the work done the year before was covered. Work from this campsite extended southward as far as Camas Creek. This portion of the project was completed on August 10 and on the following day camp was moved to Willoughby Spring which is situated just within the Forest at the road about 1 mile northeast of Hidaway Springs, a popular bathing resort. Four members of the crew were stationed at Ukiah and by driving to and from their work were enabled to cover that portion of the project adjacent to the Pearson Ranger Station road in T. 5 S., R. 32 E., and T. 6 S., R. 32 E. When their work there was completed, they were moved to the main camp at Willoughby Spring, from where all the remainder of the project was completed on the evening of September

5. Improvements to the two springs were made while the party was camped at each by the building of strong stock-proof corral and "boxing in" the spring. The sawed lumber used in these improvements was contributed by the owners of the small sawmill at Lehman Hot Springs.

Supplies for the timber survey camp were hauled from Pendleton, which is 55 miles northwest of Frazier R. S. The greater portion of the provisions were purchased through the Forest Service warehouse of Region 1 at Spokane, and the perishable goods, such as meats, butter, eggs, and green vegetables, it was found could be purchased to better advantage in Pendleton.

It was found necessary to cover considerably more acreage than originally outlined in order to give the data in more complete form and to insure the inclusion of contiguous or nearby stands of ponderosa pine. After examining the topographic plats of the work completed in 1930, the Mt. Emily Lumber Company requested that some additional acreage joining the northwest part of the completed portion be covered in order that the map information be complete for the area to be traversed by their mainline logging railroad. Likewise, the small acreage adjacent to the east boundary of the area completed in 1930 season was found to contain some ponderosa pine and was covered the following season.

Prior to the beginning of the 1931 field season, the Forest Service and the Mt. Emily Lumber Company entered into an agreement pertaining to the mapping of patented lands within the project area. By the terms of this agreement, the company paid to the Service the sum of 4-cents for each acre mapped, exclusive of certain isolated forties which were mapped without charge since they were in line of regular strip surveys and could easily be crossed than avoided. By this agreement the Government was fully reimbursed for all additional costs connected with the mapping of the patented lands and will be further greatly benefited by having the final maps in complete form.

Personnel

The work was done under the direction of Fred A. Matz, Chief of Timber Surveys. The vertical control party was in charge of S. T. Simmons in the fall of 1930, and of Frank Flack in the summer of 1931. These men were assigned to the party by the Office of Engineering, their salary and expenses were paid from the timber survey fund. Junior Forester Lester J. McPherson having completed his assignment as party chief on the Hoh River timber survey project on the Olympic National Forest, assisted in this work in 1930. James Iler, junior forester, worked on the level party and later on the timber survey, that fall. All field assistants, with the exception of Kenneth Dodge, were forestry students or had graduated from forestry schools. Thorsten Larson is a native of Sweden, his assignment having been arranged through the Scandinavian-American Foundation. Following is a list of the field assistants assigned to the party, the position filled, monthly wage, and the school where trained, namely:

(a) Season of 1930:

1. H. C. Heine, Iowa State College, compassman, \$100 per month.
2. E. M. Howell, Iowa State College, estimator, \$90 per month.
3. W. B. Manlove, Oregon Agricultural College, compassman, \$100 per month.
4. F. W. Schlegel, Oregon Agricultural College, compassman, \$100 per month.
5. F. B. Ramsay, Oregon Agricultural College, estimator, \$90 per month.

6. Milton R. Stalls, New York State College, compass man, \$70 per month
7. M. M. Nelson, University of Washington, estimator, \$70 per month.
8. Weston Donehower, University of Minnesota, estimator, \$70 per month.
9. Kenneth Dodge, not forestry training, estimator & control work, \$70 per month.

(b) Season of 1931:

1. H. C. Heine, assistant chief of party, at rate of \$120 per month.
2. R. P. Bottcher, Oregon State College, estimator, \$70 per month.
3. Ray Cline, University of Minnesota, compassman & mapper, \$70 per month.
4. Howard Hopkins, Washington State College, compassman and mapper, \$80 per month.
5. William W. Jolly, University of Minnesota, estimator, \$70 per month.
6. Merton D. Kuhn, Oregon State College, compassman and mapper \$70 per month.
7. Thorston Larson, Royal School of Forestry in Sweden, estimator, \$70 per month.
8. Lester D. Lynch, Oregon State College, compassman and mapper, \$80 per month.
9. W. A. Markham, University of Washington, estimator, \$70 per month.
10. Keith F. Miller, Washington State College, estimator, \$70 per month.
11. Merle S. Moore, Oregon State College, estimator, \$70 per month.
12. Arthur Rettman, Oregon State College, compassman and mapper, \$80 per month
13. A. G. Snow, Washington State College, compassman and mapper, \$90 per month.

D.H. Tripp of Union, Oregon, served in the capacity of cook in his usual highly satisfactory manner throughout the job. His compensation was at the rate of \$115 per month.

Subsistence was furnished to the men in addition to the above wages.

Location and Area

Location. The project lies chiefly in the upper portion of the watershed of Camas Creek, which flows through Ukiah into the North Fork of John Day River. The District Ranger's headquarters for this region is at Ukiah, Oregon, at an average distance of about 10 miles from the project. Ukiah is the nearest post office and trading point and is situated on an improved highway out of Pendleton, Oregon.

There are a number of unimproved dirt roads traversing portions of the project, which afford fair automobile travel during the summer and fall, but are nearly impassable in places during the wet season. Within the Forest the Service has done some good work in the way of regrading and building up these roads and as a result, those portions are the better parts of the roads connecting with the highway. The Mt. Emily Lumber Company now operates a logging train to

within a few miles of the northeast part of the project and by changing the location of their mainline slightly they can readily tap the project area by way of Bear Creek.

The location of the project is shown graphically on the frontispiece map, on which is given the information concerning townships and ranges involved.

The total acreage covered to date is:

National Forest lands-----94,968.75 acres

Patented lands----- 9,591.32 acres

Total-----104,560.07 acres

The tabulation of type acreages indicates there are 10, 031.32 acres of patented land. The apparent discrepancy is explained for the reason that 440 acres on the border of the project were not mapped.

Unit Divisions

The project is all within the John Day-Grande Ronde Working Circle, and its divisions into blocks and compartments are shown on the frontispiece map.

A brief description of the blocks follows:

Camas Block: This block includes all of Camas Creek drainage in that unit of the Forest lying east of Ukiah. The greater portion of the project area is in this block and nearly all the merchantable timber cruised in the adjoining blocks will be logged to it. The area cruised in the adjoining blocks will be logged to it. The area cruised in 1930 is in the eastern part of the block and will be the first to be reached by a proposed tap line railroad up Bear Creek and into Camas Creek drainage. The divide at the head of Camas Creek is formed by broad flat ridges and benches which may be approached by easy gradients along the water courses or in some places on the ridge summits. Numerous large grassy plains occur on the divide and the timbered lands are confined more or less to the slopes and draws. The topography here is gentle and it is possible to construct logging spurs along easy grades. Should it prove not feasible to build a railroad into some of the isolated tracts of ponderosa pine, it is not difficult to open up good roads for trucking with autos. This method of logging will undoubtedly prove practical and economical during the summer months, but it would not be feasible to operate the trucks during the wet season because of the clay composition of the soil.

The best of the ponderosa pine timber encountered in this block is on the low, wide divide between Camas Creek and Dry Camas Creek. The timber here is of fine quality and in a fairly heavy stand, growing on ground which affords an easy logging chance. The higher portions of the block offer no difficult logging problems, and the only serious drawback there is the widely scattered timber stand, broken by numerous grassy plains.

By reference to the topographic plats it will be seen that the sections adjacent to the lower elevations along the Camas, Owing, and Hidaway Creeks have steep rocky slopes and abrupt changes in topography. Here it is not uncommon to find a difference in elevations of 500 or 600 feet in a distance of ½ mile, horizontal measure. This broken topography will materially restrict the location of logging roads to the stream beds and thereby require longer skidding distances to move the timber from the slopes.

It is estimated that from the point where the proposed railroad will leave the block at the head of Bear Creek it is a distance of about 28 miles to Hilgard, which is on the mainline railroad of the O. W. R. R. and N. Co. The Mt. Emily Lumber Co. already has a logging railroad to within a few miles of the eastern boundary of this block and may be able to tap the block with the use of only a small amount of line in excess of that now being used, though it would require the construction of 8 or 10 miles of new grade.

Starkey Block: This block is situated at the head of the Grande Ronde River watershed and borders on the east side of Camas block. Portions of six compartments were covered in this block and the greater part of the timber found on them will be logged to Camas block. Logging conditions are similar to those in Camas block with the exception that most of the timber will need to be skidded up grade to spur lines, which may be extended to the outer bounds of Camas block. The compartments are numbered in the order adopted at the time of compiling the Hilgard project data in 1925, allowance being made for the intervening, uncovered portion of the block.

The Mt. Emily Lumber Co. is now operating in government timber on Burnt Corral Creek in this block. Upon completion of the work there they desire to shift to Bear Creek to the north and west where they will establish their main line logging railroad. Bear Creek watershed is designated as compartment No. 10 in this report and comprises about 5,300 acres, 2,500 acres of which are in merchantable yellow pine type. This compartment may be logged independently of Camas Block, but the greater portion of the timber shown for the other compartments of Starkey Block will be logged through Camas Block, because there is not a sufficient amount of timber at the lower elevations to justify building logging roads into them from the east.

Status and Ownership

The locations of the alienated lands are shown on the map forming the frontispiece of this report. These are not in collective ownership and their use in the past has been chiefly for grazing. Undoubtedly, the timber on them may be purchased at reasonable prices and it should be removed at the time the government timber is cut.

Lehman Springs is within the Project boundaries and Hidaway Springs just outside the forest boundary. These are respectively 45 and 51 miles from Pendleton, and at each place will be found hot sulphur springs, a swimming pool, camping conveniences and hotel accommodations. They are both on privately owned lands.

Bear Wallow R. S. and Frazier R. S. are well improved with buildings and fences and are used continuously during the summer months by the fire protective force. Tower Mountain lookout is about 12 miles southeast of Frazier R. S. and is reached by way of an improved road from there. All these stations are equipped with telephones, the lines traversing the project.

Within the project boundaries the ownership is divided as follows:

Government lands	94,968.75 acres
Patented lands	<u>10,031.32</u> acres
Total	105,000.07 acres

II. FIELD WORK AND COMPUTATIONS

Field Work

Control Methods.

The control work, both horizontal and vertical was done in accordance with the requirements set forth in the Special Instructions from the regional office of Engineering. A line of direct levels was run from the State Highway near Ukiah, along the road at the north boundary of the project to Frazier R. S. From there eastward and to the northwestward leveling was done largely with transit and stadia. Similar lines of stadia leveling were established into Lane Creek region and through Hidaway Springs to head of Pine Creek which drains the extreme southwest portion of the project. Station markers and bench marks were established along these lines and these used as points for setting and checking the altimeters on section line retracements.

Base lines for control on the strip surveys were established by retracing—with chain and compass—the G. L. O. survey lines and establishing thereon stations for starting and checking points. The lines retraced are indicated on the frontispiece map and usually are one mile apart. The elevations of the stations along these lines were determined by altimeter readings corrected for atmospheric changes as determined by readings of another altimeter in camp. The altimeter read in the field was checked as often as practicable on the level lines in order to lessen to the greatest extent the possibilities of errors.

Horizontal positions along the strip surveys were determined by pacing, using the Forest Service standard compass, mounted on a staff, for alignment. The elevations along the strip lines were determined with aneroid barometers, adjustments of the readings being made at the time of closing in on the control lines.

Cruising Methods:

The cruising was confined as much as possible to the Government lands, but whenever the strip surveys crossed patented lands the trees were tallied just the same as on the Government lands. The timber volumes pertaining to the patented lands have not been carried into the tabulations at the back of this report, and the estimates given there apply only to the Government lands. The patented forties that were cruised are designated on the timber estimate plats by a circle around the "P" in the center of the forty, thus (P). The cruise data concerning such forties is on file in the supervisor's office.

The usual procedure was to run two strips, each 1 chain in width, through each forty giving a ten per cent cruise; however, in a few places it was possible to save some time in areas of lodgepole pine, or W. fir – larch – Douglas fir types by running a single strip therein. The acreages covered by each degree of intensiveness, considering only the Government lands, are as follows:

10 per cent cruise	91,769 acres
5 per cent cruise	<u>3,200</u> acres
Total	94,969 acres

Ponderosa pine trees 12 inches and over d. b. h. were tallied by 2-inch diameter classes according to the number of 16-foot log lengths in each. Immature trees of this species of sawtimber size were tallied separately from the mature trees in order that the timber volume may be tabulated accordingly. Species other than ponderosa pine were tallied by 2-inch diameter sizes only.

Check Cruises

An average of about 3 per cent of the area covered by each estimator was check cruised, and since the check cruises were confined to the better timbered areas, the percentage of timber check-cruised is actually in excess of this.

Following are the results of these check cruises:

(a) Original Cruise by E. M. Howell.

Check cruise by Fred A. Matz.

In S ½ of NW ¼, Section 16, of T. 4 S., R. 34 E

Species	Original Cruise		Check Cruise		Differences
	No. of Trees	Feet B.M.	No. of Trees	Feet B.M.	
P. Mat.	9	5,120	17	16,170	Number of trees Plus 3
P. Immat.	36	21,410	24	6,760	
LP	1	80	1	80	Timber estimates Feet B. M. plus 6,980
D	49	12,510	47	13,930	
WF	22	8,980	20	5,640	Per cent + 11.5%
WL	15	19,160	20	17,700	
Total	132	67,260	129	60,280	

In N ½ of NW ¼, Section 17 of T. 4 S., R. 34 E

P-Mat	9	8,580	18	17,220	Number of trees Minus 10
P. Immat.	43	26,170	38	16,650	
D	11	2,390	15	6,760	Timber estimates Feet B. M. minus 3,710
WL	1	90	3	310	
Total	64	37,230	74	40,940	Per cent, - 9.6%

In S ½ of NW ½ of Section 17, T. 4 S., R. 34 E

P-Mat.	21	15,880	45	45,530	Number of trees Minus 7
P-Immat.	104	58,450	80	25,340	
LP	1	80	2	160	Timber estimates Feet B.M. minus 1, 750
D	45	9,270	46	10,850	
WF	4	410	5	350	Per cent - 1.9 %
WL	21	5,290	25	8,900	
Total	196	89,380	203	91,130	

Combined estimates for above 320 acres:

Estimator	Number of Trees All Species	Feet B. M. All Species
Original Cruise by E. M. Howell	392	193,870
Check Cruise By Fred A. Matz	406	192,350
Differences	- 14	+ 1,520
Per cent	- 3.4%	+ 0.8%

- (b) Original Cruise by F. B. Ramsay
Check Cruise by F. A Matz

In S ½ of N ½, Section 32, T. 4 S., R-34 E

Species	Original Cruise		Check Cruise		Differences
	No. of Trees	Feet B.M.	No. of Trees	Feet B. M.	
P-Mat.	118	93,280	117	109,440	Number of trees Plus 38 Timber estimates Plus 12,600 ft. B.M Percent = + 7.3%
P-Immat.	227	80,270	186	49,620	
LP	8	640	13	1,710	
D	28	8,640	27	9,060	
WL	13	3,830	14	4,680	
Totals	394	187,110	356	174,510	

In S ½ of N ½, Section 33, T. 4 S., R. 34 E.

P-Mat.	105	67,950	98	103,450	Number of trees Minus 1 Timber estimates Feet B. M. minus 16,410 Per cent = -10.5%
P-Immat.	120	56,740	132	41,660	
LP	1	80	3	310	
D	22	11,350	16	6,770	
WL	7	2,640	7	2,980	
Totals	255	138,760	256	155,170	

Combined estimates for above 320 acres:

Estimator	Number of trees All Species	Feet B. M. All Species
Original cruise by F.B. Ramsay	649	325,870
Check Cruise by Fred A. Matz	612	329,680
Differences	+ 37	- 3, 810
Per cent	+ 6.0%	- 1.1%

(c) Original Cruise by M. M. Nelson
 Check Cruise by Fred A Matz

In S ½ of S ½, Section 30, T. 4 S., R. 34 E.

Species	Original Cruise		Check Cruise		Differences
	No of Trees	Feet B. M	No of Trees	Feet B. M.	
P-Mat.	208	14,033	208	13,119	Number of trees Minus 152 Timber estimates Minus 4,057 Ft. B. M. Per cent – 14.8%
P-Immat.	65	1,791	154	3,782	
LP	4	52	3	42	
D	124	4,796	165	7,105	
WF	17	687	27	816	
WL	32	1,863	45	2,415	
Totals	450	23,222	602	27,279	

In NW ¼, NE ¼, N ½ of NW ¼, Sec. 30, T. 4 S., R 34 E.

P-Mat.	79	60,880	56	43,520	Number of trees Plus 19 Timber estimates Plus 17,180 Ft. B.M. Per cent + 17.9
P-Immat.	33	19,530	61	29,000	
LP	8	710	8	890	
D	47	18,590	32	13,940	
WF	1	200	1	100	
WL	24	13,060	15	8,340	
Totals	192	112,970	173	95,790	

In NE ¼ , SW ¼ , N ½, of SE ¼ , Sec. 7, T. 4 S., R. 34 E

P-Mat.	13	18,960	20	24,880	Number of trees Plus 40 Timber estimates Plus 29,820 Percent + 36.6%
P-Immat.	36	28,940	28	14,920	
LP	43	4,480	22	2,640	
D	53	31,080	56	23,070	
WF	20	13,300	12	5,850	
WL	37	15,090	24	10,670	
Totals	202	111,850	162	82,030	

Combined estimates for above 400 acres:

Estimator	Number of trees All Species	Feet B. M All Species
Original Cruise By M. M. Nelson	844	248,042
Check Cruise by Fred A. Matz	937	205,099
Differences	-93	+ 42,943
Per cent	- 9.9%	+ 20.9%

(d) Original cruise by Weston Donehower

Check cruise by Fred A. Matz

In S ½ of N ½, Sec. 8, T. 4 S., R. 34 E

Species	Original Cruise		Check Cruise		Differences
	No. of Trees	Feet B. M.	No. of Trees	Feet B. M.	
P-Mat.	33	29,210	45	34,250	Number of trees Minus 53 Timber estimates Ft. B.M., Minus 14,230 Per cent – 15.8%
P-Immat.	70	28,850	86	31,980	
LP	2	160	1	80	
D	46	9,730	70	16,730	
WF	13	4,110	11	3,490	
WL	10	3,630	13	3,390	
Totals	173	75,690	226	89,920	

In S ½ of S ½, Sec. 20, T. 4 S., R. 34 E

P-Mat.	56	5,943	64	5,860	Number of trees Minus -16 Timber estimates Ft. B.M., Plus 1024 Per cent, + 12.5%
P-Immat.	55	1,671	55	1,799	
LP	2	26	5	62	
D	38	1,280	45	1,742	
WF	8	258	7	276	
WL	2	37	1	20	
Totals	161	9,215	177	8,191	

In N ½ of N ½ Sec. 28 T. 4 S., R. 34 E

P-Mat.	85	9,439	110	10,960	Number of trees Minus -38 Timber estimates Feet B. M., Minus 1953 Per cent – 9.1%
P-Immat.	123	3,427	123	3,435	
LP	3	54	3	48	
D	110	3,249	127	3,644	
WF	38	928	41	1,113	
WL	21	618	14	468	
Totals	380	17,715	418	19,668	

Combined estimates for above 480 acres:

Estimator	Number of trees All Species	Feet B. M. All Species
Original cruise Weston Donehower	714	102,620
Check Cruise by Fred A. Matz	821	117,779
Differences	- 107	- 15,159
Per cent	- 13.0%	- 12.8%

(e) Original Cruise by Wm. Jolly.

Check Cruise by Fred A. Matz.

In W ½ of W ½, Sec. 12, T. 5 S., R.33 E. (160 acres)

Species	Original Cruise		Check Cruise		Differences
	No. of trees	Feet B.M.	No. of Trees	Feet B.M.	
P-Mat.	82	53,540	90	63,770	Number of trees = + 30 (Ft. B. M = Timber volume (-11,960 (Per cent = - 7.8%
P-Immat.	94	31,660	79	22,200	
D	140	38,210	151	51,799	
WF	41	6,710	31	5,740	
WL	47	11,130	23	9,710	
Totals	404	141,250	374	153,210	

In E ½ of W ½, Sec. 12, T. 5 S., R. 33 E. (160 acres)

P-Mat.	114	60,360	125	81,470	Number of trees = -15 (Ft. B.M. = Timber volume (- 19,410 Per cent = - 11.8%%
P-Immat.	103	25,690	104	23,770	
D	123	41,650	123	42,460	
WF	29	4,530	34	5,020	
WL	28	7,160	26	9,080	
Totals	397	142,390	412	161,800	

Combined estimates for above 320 acres:

Estimator	Number of trees All Species	Feet B.M. All Species
Original cruise by Wm. Jolly	801	283,640
Check Cruise by Fred A. Matz	786	315,010
Differences	+ 15	- 31,370
Per cent	-	9.9%

(f) Original Cruise by Thorsten Larson.

Check Cruise by Fred A. Matz.

In S ½ of N ½, Sec. 32, T. 5 S., R. 33 E. (160 acres)

Species	Original Cruise		Check Cruise		Difference
	No. of Trees	Feet B.M.	No. of Trees	Feet B.M.	
P-Mat.	89	64,100	115	87,920	Number of trees = - 9 (Ft. B. M. = Timber volume (- 35,610 (Per cent = - 19.6%
P-Immat.	108	38,180	74	33,790	
LP	3	480	7	1,250	
D	50	30,000	56	44,970	
WL	37	12,930	44	13,370	
Totals	287	145,690	296	181,300	

(g) Original Cruise by Wm. Markham.

Check Cruise by Fred A. Matz.

N. ½ of N ½, Sec. 33, T. 5 S., R. 33 E. (160 acres)

P-Mat.	74	62,820	77	70,860	Number of trees = -17 (Ft. B.M. = Timber volume (- 30,630 (Per cent = - 23.1%
P-Immat.	93	17,210	97	34,360	
LP	4	400	4	400	
D	14	10,200	16	11,650	
WL	17	11,080	25	15,070	
Totals	202	101,710	219	132,340	

(h) Original Cruise by Keith Miller.

Check Cruise by Fred A. Matz.

In N ½ of N ½, Sec. 14, T 5 S., R. 33 E. (160 acres)

Species	Original Cruise		Check Cruise		Differences
	No. of Trees	Feet B.M.	No. of Trees	Feet B.M.	
P-Mat.	127	80,010	123	87,850	Number of trees = - 65 Timber volume (Ft. B.M. = - 34,660 Per cent = - 16.6%
P-Immat.	70	14,450	115	36,280	
LP	1	160	3	480	
D	86	47,100	98	51,770	
WF	54	12,840	61	13,670	
WL	47	17,090	49	15,750	
ES	11	1,870	12	2,380	
Totals	396	173,520	461	208,180	

In SW ¼ NW ¼ SW ¼, Sec. 14, T. 5 S., R. 33 E. (80 acres)

P-Mat.	71	51,390	64	58,250	Number of trees = + 12 (Ft. B.M. = Timber volume (- 4, 260 Per cent = - 4.5%
P-Immat.	46	12,530	37	6,530	
D	17	7,560	32	12,610	
WF	39	11,280	23	8,590	
WL	19	5,910	24	6,950	
Totals	192	88,670	180	92,930	

Combined estimates for above 240 acres:

Estimator	Number of Trees All Species	Feet B. M. All Species
Original Cruise by Keith Miller	588	262,190
Check Cruise by Fred A. Matz	641	301,110
Differences	- 53	- 38,920
Percent Diff.	-	- 12.9%

(i) Original Cruise by Merle S. Moore.

Check Cruise by Fred A. Matz.

In NW ¼ and NW ¼ SW ¼, Sec. 28, T. 5 S., R. 33 E. (200 acres)

Species	Original Cruise		Check Cruise		Differences
	No. of Trees	Feet B.M.	No. of Trees	Feet B.M.	
P-Mat.	147	147,390	144	138,100	Number of trees = -46 (Ft. B.M. = Timber volume (- 17,340 Percent = - 7.3%
P-Immat.	115	36,400	150	54,050	
LP	36	3,780	30	4,200	
D	27	16,450	28	17,350	
WL	32	16,010	51	23,670	
Totals	357	220,030	403	237,370	

(j) Comparative results on entire area check cruised, total acreage = 2,200 acres

Estimator	No. of Trees All Species	Timber Estimates All Species
Original Cruise by crew	4,834	1,883,662
Check Cruise by Fred A. Matz	5,121	2,012,376
Difference	-287	-0128,376
Per cent Diff.	5.6%	- 6.3%

(k) Comments on Check Cruising

When comparing the foregoing check cruises with the original cruises submitted by the individual estimators, one may be impressed by the wide variation in the results. The cruise of a given estimator may on one tract of timberland be higher than the check cruise, and on another tract his cruise may be lower than the check cruise. Likewise, the cruise of another estimator may consistently run higher than the check cruise, and the cruise of another estimator may run consistently lower. All of which may tend to form a more uniform average. Factors, which may govern these differences are given below in the order by which they usually affect the results, viz:

- (1) Changes in location of strip cruise.
- (2) Width of strip.
- (3) Diameter and height measurements.

Concerning factor (1) above, it is found to be practically impossible to follow the exact course of the original strip survey and as a result a slight difference in location of the strips may, especially in a stand of pine where the trees are more or less grouped and an occasional large tree, result in a big difference in cruise.

Factor (2) can be determined only upon assurance that the exact strip was check cruised and then making a total count of trees on the original and check cruises.

Factor (3) is not readily determined by the results shown on the tally sheets and of course is most likely to be the result of factors (1) and (2).

After each check cruise is made, the differences are called to the attention of the estimator and an effort made to point out the factors governing them, with the assurance that another check cruise will be made in the near future. With the knowledge that his work is subject to being checked at any time the estimator is more alert and he takes special pains when making measurements. It is believed the interest aroused in the estimator is of prime importance as a result of the check cruises.

As will be seen from the cruise results under (j) above, the percentage of difference is but 6.3%. This difference is considered so small that no changes were made in the original estimates.

Paragraphs (a) to (d) inclusive, above, pertain to work done in 1930 and the remainder to the 1931 season.

Office Computations

All the computations for timber volumes and compilation of summaries for forest type acreages and timber estimates were done in the Regional Office after the close of the field work. The volume of lodgepole pine was computed into cords in addition to its B. M. volume on areas of lodgepole pine type. This cord volume includes the two poles classes, as well as all trees of merchantable sawlog sizes; therefore, any given B. M. volume of lodgepole pine represents only that portion, which may be converted into lumber, and should not be added to the cord volume.

Ponderosa pine volumes were computed separately for mature and immature age classes. The immature age class corresponds closely to the class of trees which are reserved under selective marking and is a fair indication of what may be left after cutting.

No distinction as to age classes were established for species other than ponderosa pine and the timber volumes for them is based on trees 12 inches and over D. B. H. Large mature white fir trees are practically worthless for lumber and trees 26 inches and over D. B. H. are not included in the timber estimates.

Summaries of the timber estimates by blocks appear under the statistical summaries at the back of this report.

Volume Tables Used

The Forester's Table, Site IV, Washington Office, 1930, and adjustments to it for site variations was used in computing volumes of mature ponderosa pine. For convenience in use this table is separated into height classes ranging from 1 ¼ to 9 log lengths, and the volumes pertaining to each diameter class thereunder are arranged to indicate total volume for a number of trees from 1 to 9 inclusive.

The Second Growth Western Yellow (ponderosa) Pine Volume Table, prepared by E. J. Hanzlik from measurements taken on the Wallowa and Whitman National Forests in 1928, was used in the computations for volume of immature ponderosa pine. Computations for timber volumes of species other than ponderosa pine were based on the local volume tables prepared in 1925

from measurements taken on the Hilgard timber survey project which is situated a few miles northeast of this project.

The B. M. volumes d. b. h. classes for species other than ponderosa pine are given in Table No. 1, which follows:

TABLE NO.1

D.B.H. Inches	Volume Tables for Associated Species					Cubic Feet Volume Lodgepole Pine
	Douglas Fir	White Fir	Western Larch	Engelmann Spruce	Lodgepole Pine	
4-7						2
8-11						7
12	70	70	110	50	100	17
14	90	90	160	100	160	25
16	140	140	240	160	220	33
18	270	270	310	240	280	44
20	410	410	400	340	350	60
22	560	560	500	400	440	80
24	690	690	610	620	540	100
26	860	No	740	860	-	
28	1,010	volume	900	1,130		Conversion
30	1,180	computed	1,100	1,410		
32	1,360	for trees	1,320			Factor
34	1,560	over 26	1,600			
36	1,750	inches	1,900			90 cu. ft.
38	1,940	D. B. H.	2,200			
40	2,140		2,500			equals
42	2,340		2,900			
44	2,500					1 cord
46	2,700					
48	2,900					
50	3,100					

Defect and Breakage Factors

Inasmuch as the volume tables for immature ponderosa pine are somewhat lower for given diameters and heights than for the mature trees of this species, and since it is not expected that cutting will take place in timber of this age class, no deduction has been made for defect and breakage in it.

In the mature ponderosa pine the defect is small and consists chiefly of stump rot, pitch, fire scars and spike tops. A flat deduction of 5% to allow for both defect and breakage, is made in this class of timber.

The allowance for both defect and breakage in the associated species varies considerably, and ranges from 5% to 20%, depending upon the condition of the timber and the ground surface.

III. SILVICULTURAL DESCRIPTION

Forest Types

Ponderosa Pine Types

Trees of all age classes are of usual occurrence in the mature age class of this type. This condition will permit of leaving a uniform distribution of trees on the area at the time of cutting. Very little of the pine type covered in the project consists of a pure stand of ponderosa pine, and it is customary to find Douglas fir, white fir, western larch and lodgepole pine intermixed in variable proportions throughout much of this type. Of the entire area covered in the project, 53 per cent is classified as ponderosa pine type, four-fifths of which is in the mature age class. In Camas Block where the bulk of the work was done ponderosa pine type occupied 55 per cent of the unit area.

About one-ninth of the ponderosa pine type is composed of areas of seedlings and saplings and saplings situated chiefly at the edges of grass types, and have a comparatively light stand of small trees which usually represent about one-third or less in stocking. Excluding areas of small poles and saplings, about 9 per cent of the pine type is in the immature sawtimber age class and this amount is scattered about the project in small isolated tracts.

The average per acre stand in the mature age class (150 years plus) and the immature age class (80 to 150 years) was obtained by selecting at random the timber estimate sheets applicable to each age class throughout the project. The acreage represented in Table No. 2 is about one-tenth of the entire area of the type mapped in field season of 1930, whereas that pertaining to Table No. 2-A represents about 12 ½ per cent of the pine type mapped in 1931.

The results of the computation for these sample acres are shown in the three tables immediately following:

TABLE NO.2

Sample Acre in Mature Ponderosa Pine Type
(Apply to Area North of Dry Camas Cr. and East of Rancheria Cr.)

D.B.H. Inches	Average Number of Trees, per acre, by Species						Total
	Mature Y	Immature Y	LP	D	WF	WL	
4-7	.107	5.881	7.156	2.608	.527	.449	16,728
8-11	.170	4.592	2.955	4.030	.405	.532	12.684
12	.195	1.519	.434	.933	.112	.297	3.490
14	.244	.864	.092	.571	.053	.180	2.004
16	.244	.913	.068	.576	.034	.210	2.045
18	.522	.830	.024	.669	.029	.146	2.220
20	.571	.796	.009	.508	.058	.112	2.054
22	.727	.727	-	.415	.014	.112	1.995
24	.859	.493	-	.273	.034	.102	1.761
26	.854	.385	-	.219	.034	.053	1.545
28	.723	.219	-	.185	.029	.053	1.209
30	.659	.112	-	.170	.004	.048	.993
32	.620	.141	-	.170	.029	-	.960
34	.527	.053	-	.068	.019	.004	.671
36	.293	.024	-	.068	.009	.009	.403
38	.185	.019	-	.048	.004	-	.256
40	.141	-	-	.019	-	-	.160
42	.127	-	-	.024	.009	.004	.164
44	.058	-	-	.004	-	-	.062
46	.029	-	-	.009	.009	-	.047
48	.004	-	-	.004	-	-	.008
50	.009	-	-	.004	-	-	.013
52	.004	-	-	.004	-	-	.008
54	.014	-	-	-	-	-	.014
Totals, 12" and up	7.609	7.095	.627	4.941	.480	1,330	22.082
Per acre Vol. Ft. B.M.	6,827	1,846	80	2,294	230	523	11,800
Ave. Vol. per tree 12" and up, Ft. B.M	897	260	127	464	479	393	534
Per cent of stand	57.9%	15.6%	0.7%	19.4%	2.0%	4.4%	100%
	~~~~~ 73.5%		~~~~~ 26.5%				

TABLE NO. 2-A

Sample Acre in Mature Ponderosa Pine type  
(Apply to West Half of Project)

D.B.H. Inches	Average Number of Trees, per acre, by Species						
	Mature Y	Immature Y	LP	D	WF	WL	Total
4-7	.069	9.626	2.424	3.006	.421	.723	16.269
8-11	.230	3.019	.648	1.629	.226	.557	6.309
12	.238	1.635	.138	1.022	.085	.428	3.546
14	.106	1.066	.031	.745	.022	.204	2.174
16	.330	1.286	.012	.594	.034	.176	2.432
18	.399	1.053	.003	.484	.028	.204	2.171
20	.701	.830	-	.528	.012	.148	2.219
22	1.038	.682	-	.437	.025	.097	2.279
24	1.352	.538	-	.431	.012	.075	2.408
26	1.233	.258	-	.352	.022	.094	1.959
28	.896	.182	-	.242	.003	.022	1.345
30	.730	.100	-	.142	.006	.003	.981
32	.494	.069	-	.085	.006	.016	.670
34	.415	.022	-	.069	-	.012	.518
36	.274	.009	-	.044	-	.006	.333
38	.129	-	-	.028	.003	.003	.163
40	.094	.006	-	.019	.003	-	.122
42	.057	.003	-	.009	-	-	.069
44	.050	-	-	.006	-	-	.056
46	.012	-	-	-	-	-	.012
48	.022	-	-	.003	-	-	.025
50	-	-	-	.003	-	-	.003
52	.003	-	-	-	-	-	.003
54	-	-	-	-	-	-	-
56	-	-	-	.003	-	-	.003
Totals 12" & Up	8.573	7.739	.184	5.246	.261	1.488	23.491
Per acre Vol. Ft. B.M.	6,796	1,659	23	2,260	99	653	11,490
Ave. Vol. per tree 12" & up Ft. B.M.	793	214	125	431	379	439	489
Per cent of stand	59.1%	14.4%	0.2%	19.7%	0.9%	5.7%	100%
	~~~~~		~~~~~				
	73.5%		26.5%				

TABLE NO. 3

Sample Acre in Immature Ponderosa Pine Type

D. B. H. Inches	Average Number of Trees, by Species						
	Mature Y	Immature Y	LP	D	WF	WL	Total
4-7	-	10.000	0.250	10.750	3.000	3.250	27.250
8-11	0.250	2.750	-	4.000	3.500	0.500	11.000
12	0.050	1.000	-	1.250	0.250	0.500	3.250
14	1.000	1.500	-	1.000	-	0.750	4.250
16	0.250	0.750	-	1.000	0.250	0.500	2.750
18	0.750	1.250	-	0.250	-	0.750	3.000
20	0.250	1.500	-	0.500	0.250	1.500	4.500
22	0.750	1.750	-	0.250	-	0.500	2.750
24	0.500	1.500	-	0.250	-	0.500	3.000
26	0.250	0.250	-	0.250	-	0.250	1.250
28	-	0.750	-	-	-	-	1.000
30	0.250	0.250	-	0.025	-	-	0.500
32	-	-	-	-	-	-	0.250
Totals 12" and up	5.000	10.500	-	5.000	.750	5.250	26.500
Per acre volume Ft. B.M.	1,832	3,437	-	1,410	59	1,905	8,643
Average Volume per tree, 1" and over, D.B.H. ft. B.M.	367	327	-	282	78	363	326
Per cent of stand	21.2%	39.8%		16.3%	0.7%	22.0%	100%
	~~~~~ 61%			~~~~~ 39%			

White Fir-Larch-Douglas Fir Type

Slightly more than one-fourth of the entire area covered on the project is in white fir-larch-Douglas fir type. It is found on all the slopes having a northerly exposure and on some of the level benches or flats where the soil is moist and cool. The composition of the type consists usually of western larch, Douglas fir, white fir, Engelmann spruce, lodgepole pine and occasionally small quantities of ponderosa pine. These species may all be represented on a given area, but usually one more are missing and the percentage of the composition formed by each varies greatly. There is very little demand for lumber, other than ponderosa pine, which may be cut in this type, and as a result, it is not profitable to conduct logging in it. At the

southeast part of the project, this type continues up the slopes until it runs into a lodgepole pine type on the summits of the higher ridges. Of the 25, 772 acres classified as of this type about 95 per cent is mature age class, the remainder being in the large size pole class.

### Lodgepole Pine Type

The total acreage classified as of this type is 6,532 acres, of which about two-thirds is in the immature age class. The trees do not attain a large diameter size and seldom are over 20 inches d.b.h. Because of this small size of timber, it would not be profitable to log in this type, but LP trees occurring in the pine type will undoubtedly be removed when the other timber is cut. On areas classified as lodgepole pine type, the cord volume and the B.M. volume have been computed. The cord volume includes all the merchantable sawtimber and in addition the poles ranging in size from 4" to 11" d.b.h. Inasmuch as the B. M. volume on a dense stand of Lodgepole pine is comparatively small, the type will permit of only a very small number of trees of other species.

### Site Classification

The classification of site quality ranges from III to VI, the greater portion of the mature ponderosa pine type being the site IV. The poorer sites are on the rocky dry south exposures and bordering the grass type on the bench lands where the soil is shallow. The site for white fir-larch-Douglas fir type has been classified correspondingly the same as in the adjacent ponderosa pine type. Juniper woodland falls invariable in Site quality VI.

The percentage of each site quality, based on acreage, is shown for each compartment in the summary at the bottom of the timber estimate plats, which have been prepared in connection with this project. When giving consideration to the stated site qualities, it should be borne in mind that all the pine areas fall within the lower class of the site quality given and are nearly on the dividing line between it and the next lower site quality.

### Description of Timber

#### Ponderosa pine

As will be seen from Tables No. 2 and No. 2-A, Sample Acres in Mature Ponderosa Pine Type, 57.9% to 59.1% of the timber is mature or over mature ponderosa pine. The crown conditions in the mature classes indicate that the annual increment is very small and such trees can well be spared to allow the younger trees a chance to make better growth.

The timber will run from five to six logs per M. feet B. M. and the quality ranges from 15% to 20% No. 2 logs and better. The trees in general, are quite sound, although there will be the usual loss in volume because of fire scars, stump rot and stag head or spike tops. The spike tops are undoubtedly the effect of mistletoe killing, since this parasite is noticeable in the ponderosa pine, larch and Douglas fir species.

#### Douglas Fir and Western Larch

This timber will average rather small in size, probably 8 or 9 logs per M, and consequently will carry only the lower grades of lumber suitable only for rough boards and small dimension material. The timber is sound, but both species suffer a loss, because of wind shake, the loss

from this cause being more pronounced in the larch than in the fir. Because of the small demand for lumber cut from these species it is not likely that cutting of them will extend beyond the limits of the ponderosa pine type, or at the most in the more favorable sites in its true type.

### White Fir

Many of the trees of this species attain a diameter growth of more than 40 inches d. b. h., but the larger trees are practically worthless for lumber because of conk and shake. This apparent loss in the larger is so pronounced that the timber volume for this species as shown in the statistical summary was obtained from computations of diameters ranging from 12" to 24" d. b. h., all trees of larger diameter being excluded as worthless for lumber and their number accounted for under the heading "Diseased Trees." The lumber that may be cut from the smaller trees will be suitable for rough boards and box material.

### Lodgepole Pine

The B.M. volume of this species is negligible, but wherever found in the ponderosa pine areas it should be cut, since it has about the same market value as comparable grades in ponderosa pine.

### Reproduction

There are numerous small areas on which the reproduction may be classed as dense, but throughout the greater portion of the pine areas it varies from 1/3 to 2/3 stocked.

The reproduction is noticeable as being at its best where the forest cover is of mixed species, since it seems that there the soil is of greater depth and does not dry out so badly. It is of usual occurrence that the reproduction at the borders of the grass areas die while still in the small pole sizes or of seedlings. Then soil here is usually very shallow which tends to dry out easily in summer and cannot retain sufficient moisture to sustain tree growth throughout a prolonged dry spell.

By reference to the pole summary Table No. 12, at the back of this report, it will be noted that considering only the timber type acreage, the average number of poles per acre is about 25 of the larger size and about 14 of the smaller size. Similar comparisons are obtainable from tables' No. 2 and No. 3, but the average is not as high, because of the fact that the ponderosa pine type sample acres do not carry so many lodgepole pine poles as are found in the W. fir – larch – D. fir type and lodgepole pine type areas, which were included in the acreage to obtain the first average given above.

### Silvicultural Management

When logging is done in the pine type, great care should be taken to save as much as possible of the reproduction now existing. As indicated by the sample acre in the mature ponderosa pine type, 15.6 per cent of the stand or about 21 per cent of the ponderosa pine sawtimber is immature. Therefore, it seems there is a good opportunity to leave as much of the volume as desired in good thrifty trees, since the proportion compares favorably with that required in most of our pine cuttings

There are no main highways requiring scenic strips or withdrawals for special purposes, which will influence the plan of management.

## Injurious Factors

### Insects *

Occasional attacks by the western pine beetle (*Dendroctonus brevicomis*) occur throughout the ponderosa pine stands. These attacks are at present (1931) in a quiescent status and there is no evidence that epidemic activity by the beetles has occurred in the project area for at least two decades. For the entire project area the western pine beetle loss in 1931 did not exceed one million feet or about one-third of one per cent of the ponderosa pine stand. It is possible that the mixture of other tree species on much of the project area has served to protect the ponderosa pine from destructive beetle outbreaks. The beetle hazard is greatest in the pine stands on the dry south slopes. The first evidence of dangerous beetle conditions is the infestation of groups of trees instead of scattered individual trees as at present. Should group infestations appear in the project area, the situation should be promptly reported and investigated.

Lodgepole pine is subject to the attacks of the mountain pine beetle (*Dendroctonus monticolae*) although this species has not suffered severely from beetle attacks within recent years. Serious outbreaks can be confidently expected because much of the lodgepole has reached the age when it is susceptible to epidemic losses. No control measures can be undertaken when lodgepole epidemics appear because of the low value of the timber, but these beetle-killings will create areas of high fire hazard. Fortunately, only six per cent of the area of the project is in the lodgepole type.

White fir and Douglas fir have been defoliated and killed in past years in northeastern Oregon by caterpillar invasions. These defoliations occur at such rare intervals that they can be disregarded as a real problem in the protection of the timber. When they do take place, the damaged areas are difficult to protect from fire for a decade or more.

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* Prepared by A. J. Jaenicke, U.S. Forest Service, Portland, Oregon

### Mistletoe

Mistletoe is found on some of the ponderosa pine, Douglas fir and western larch. In no place is the damage caused by it alarming and it is of only normal occurrence.

### Growth and Yield Data

All the ponderosa pine trees were tallied in two age classes as mature or immature. No distinction as to age classes was observed when tallying trees of other species. Pole sizes of all species were tallied in two diameter classes, namely 4" – 7" and 8"-11" d. b. h. The results of the compilation of these pole classes are shown in the tabulations at the back of this report,

Tables No 10 to 12. Tables Nos. 2 and 3 show the distribution of the species and size classes of the poles in the sample acres, and are an indication of the possibilities of future growth on the areas which will be logged.

#### IV. LOGGING DATA

The greater portion of the project area is level or gently rolling and it is possible to place a railroad grade where desired. Some of the best of the logging, based on the timber stand and its accessibility, is on that part of the project lying between Camas Creek and Dry Camas Creek. The timber here is of good quality, better than the average for the project and the topography is practically level. Based on the entire acreage in the project the average per acre stand is about 6,945 feet B.M. All the grassland, W. fir – larch – D. fir and lodgepole pine types are included in the acreage to obtain this average; therefore, it is not a true picture of the area to be logged. The loggable, or rather the areas on which logging may be profitably carried on is confined pretty well to the mature ponderosa pine type, and as shown in the sample acre for this type, Tables Nos. 2 and No. 2-A, the average per acre stand is over 11,000 feet B. M. per acre. Some of the pine is in isolated spots to which it will not be profitable to construct a logging railroad and it is believed will prove the more economical to log there with the use of trucks and tractors.

The Mt. Emily Lumber Company already has operated in Government timber just northeast of the project and can easily extend their logging railroad into the project by way of Bear Creek, which drains the northeast part of the project. There is an abundance of railroad tie material in the Douglas fir, larch and lodgepole pine on the project and at no place will there be extremely heavy construction costs. The topography is such that it will permit the location of railroad spur lines where desired, and the deciding factor is the timber stand, which is very scant in some portions of the project.

#### V. STATISTICAL SUMMARY

##### Acreage of Forest Types

The acreages of forest types and age classes are indicated for the national forest lands in Tables 4 to 6, each block having a separate table number. The distribution of the alienated lands by compartments is also shown in these summaries.

##### Timber Estimates

Tables Nos. 7 to 9 have summarized data concerning the timber estimates on the national forest lands covered. In addition to the timber estimates, the tables show the number of diseased white fir trees and four diameter classes of snags tallied on the project. Table No. 13 indicates the timber estimate, as compiled from the Block totals.

##### Poles

Tables No. 10 to No. 12 pertain to the summary of number of poles by two diameter classes and are arranged in the same order, by blocks and c, as are the preceding tables.

TABLE NO. 4  
SUMMARY OF FOREST TYPE ACREAGES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
CAMAS BLOCK

Section & Township	Alienated Land Acres	Ponderosa Pine				W. Fir-Larch-D. Fir		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net. N.F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL3 Acres	FL-2 Acres	LP-2 Acres	LP-1 Acres				
T. 4 S. R. 32., W.M.		<b>COMPARTMENT No. 1</b>											
6	38.88	168.37			6	26						22	222.37
7	234.88	193.00			10	3						24	230.00
Comp't Totals		273.76	361.37		16	29						46	452.37
T. 4 S. R. 32., W.M.		<b>COMPARTMENT No. 2</b>											
4		10.00				13	4		10			11	48.00
5		205.00			15	218			13			9	460.00
6		179.92				72						14	265.92
7		88.00				82							170.00
8	20.00	199.00			3	27						1	230.00
Comp't 2 Totals		200.00	681.92		18	412	4		23			35	1,173.92
T. 4 S. R. 32 E., W.M.		<b>COMPARTMENT No. 3</b>											
4		18.00	3		8	6			3				38.00
5		4.00			13							3	20.00
8	100.00	232.00			10	32						16	290.00
9	320.00	93.00	4		47	42						4	190.00
10	40.00		<u>No.</u>	<u>Gov't.</u>	<u>Acre</u>	<u>ages</u>							
16	438.00		<u>No.</u>	<u>Gov't.</u>	<u>Acre</u>	<u>ages</u>							
17	400.00	164.00			1	18						57	240.00
Comp't 3 Totals		1,298.00	511.00	7	79	98			3			80	778.00
T. 4 S. R. 32 E., W.M.		<b>COMPARTMENT No. 4</b>											
16	202.00		<u>No.</u>	<u>Gov't.</u>	<u>Acre</u>	<u>ages</u>							320.00
21	58.00	145.00	8	21	47	1						98	
Comp't 4 Totals		260.00	145.00	8	21	47	1					98	320.00
T. 4 S. R. 32 E., W.M.		<b>COMPARTMENT No. 5</b>											
21	96.00	42.00			22	54						42	160.00
22	13.00	10.00				96							106.00
Comp't 5 Totals		109.00	52.00		22	150						42	266.00

Section & Township	Alienated Land Acres	Ponderosa Pine				W. Fir-Larch-D. Fir		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net. N.F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL3 Acres	FL-2 Acres	LP-2 Acres	LP-1 Acres				
T. 4 S. R. 32 E., W.M.		<b>COMPARTMENT No. 6</b>											
10	40.00	44.00			24	37						1	106.00
15		269.00	22		9	41						41	382.00
21	6.00		<u>(No</u>	<u>Gov.</u>	<u>Acres</u>	<u>ages)</u>							
22	40.00	43.00	6		3	8							60.00
Comp't 6 Totals		86.00	356.00	28		36	86					42	548.00
T. 3 S., R.32 E., W.M.		<b>COMPARTMENT No. 7</b>											
27		2.00	46									38	86.00
33		62.00	42		1	105			2			118	330.00
34	40.00	139.00	196	64	36	45	53					51	584.00
35	100.00	6.00				13	1	5	13			2	40.00
Por. Twp. Totals		140.00	209.00	284	64	37	163	54	5	15		209	1,040.00
T. 4 S., R.32 E., W.M.													
2	79.40	54.00	29		14	26			12			5	140.00
3	119.37	108.05	46	1	50	281		2	12			20	520.05
4		220.10	18		9	217	6		26			58	554.10
9		57.00			3	64						6	130.00
10		93.00		14	14	246	10					11	388.00
11		12.00	5	3	4	9							33.00
Por. Twp. Totals		198.77	544.15	98	18	94	843	16	2	50		100	1,765.15



TABLE NO. 4  
SUMMARY OF FOREST TYPE ACREAGES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
CAMAS BLOCK

Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net N.F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
Comp't 7 Totals	338.77	753.15	382	82	131	1,006	70	7	65			309	2,805.15
T. 3 S., R. 32 E. W.M.		<b>COMPARTMENT No. 8</b>											
25		54.00				24	3	14	13			28	136.00
26		12.00	44	27				26	44			101	254.00
35	300.00	2.00	31			27	8	14	18			20	120.00
36	241.00		38		1	38		7				18	102.00
Por.Twp.Totals	541.00	68.00	113	27	1	89	11	61	75			167	612.00
T. 4 S., R. 32 E. W.M.													
1		62.00	12			47	8		1			16	146.00
Comp't 8 Totals	541.00	150.00	125	27	1	136	19	61	76			183	758.00
T. 3 S., R. 32 E. W.M.		<b>COMPARTMENT No. 9</b>											
35		16.00	53		3	2						6	80.00
36	9.00	(No	Gov't.	acre	ages)								
Por.Twp.Totals	9.00	16.00	53		3	2						6	80.00
T. 4 S., R. 32 E. W.M.													
1		228.00	53		24	90		6	2			5	408.00
2		59.80	148	6	7	80			50			49	399.80
11		26.00	4		14	16							60.00
12		224.00	18		16	147			14			2	421.00
13		16.00				32	2						50.00
Por.Twp.Totals		553.80	223	6	61	365	2	6	66			56	1,338.80
T. 4 S., R. 33 E. W.M.													
7		28.00											28.00
18		10.00			5	29						3	47.00
Por. Twp.Totals		38.00			5	29						3	75.00

Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net N.F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
Comp't 9 Totals	9.00	607.80	276	6	69	396	2	6	66			65	1,493.80
T. 4 S., R. 32 E. W.M.		<b>COMPARTMENT No. 10</b>											
10		41.00			7	18							66.00
11		303.00	45	3	70	112						14	547.00
12		35.00	2		12	1							50.00
13		41.00			6	3							50.00
14	160.00	319.00	14	27	9	103						8	480.00
15		157.00	31		10	58						8	258.00
22	187.00	117.00	40		16	20	28					13	234.00
23	26.00	122.00	14		4	62						23	225.00
Comp't 10 totals	373.00	1135.00	146	30	134	371	28					66	1,910.00
T. 4 S., R. 32 E. W.M.		<b>COMPARTMENT No. 11</b>											
23	214.00	85.00			6	6						78	175.00
24	140.00	71.00		4	11							14	100.00
25	160.00	13.00				28							31.00
26	182.00	19.00				58							80.00
Comp't 11 Totals	596.00	178.00		4	17	92						95	386.00

TABLE NO. 4 (Cont'd)  
SUMMARY OF FOREST TYPE ACREAGES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
CAMAS BLOCK

Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net N.F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
T. 4 S., R. 32 E., W.M.		COMPARTMENT No. 12											
25	109.00	162.00			2							29	191.00
26	298.00	6.00										72	80.00
Comp't 12 Totals	407.00	168.00			2							101	271.00
T. 4 S., R. 32 E., W.M.		COMPARTMENT No. 13											
12		55.00	13		14	26						6	114.00
13		414.00			42	83	1						540.00
24	140.00	188.00	4	5	1	62							260.00
25	191.00	22.00				36							58.00
Por Twp. Totals	331.00	679.00	17	5	57	207	1					6	972.00
T. 4 S., R. 33 E., W.M.		COMPARTMENT No. 14											
18		16.00			6	2							24.00
19		126.58	80	2	30	78						11	327.58
30		225.60	14			84						10	333.60
31		6.00											6.00
Por. Twp. Totals		374.18	94	2	36	164						21	691.18
Comp't Totals		1053.18	111	7	93	371	1					27	1,663.18
T. 4 S., R. 33 E., W.M.		COMPARTMENT No. 15											
18		293.32	31	4	60							47	435.32
19		108.00	29		12	100	1					15	265.00
20		8.00			14		6					2	30.00
30			1			7							8.00
Comp't 14 Totals		409.32	61	4	86	107	7					64	738.32
T. 3 S., R. 33 E., W.M.		COMPARTMENT No. 15											
25		13.00				1		2	2			4	20.00
36	138.00	9.00	58		11	56						2	138.00
Por. Twp. Totals	138.00	22.00	58		11	57		2	2			6	158.00
T. 3 S., R. 33 E., W.M.		COMPARTMENT No. 15											
30		21.00											21.00

Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net N.F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
31		80.60	144		24	215		5				76	544.60
Por. Twp. Totals		101.60	144		24	215		5				76	565.60
T. 4 S., R. 32 E. W.M													
1		18.00				68							86.00
12		38.00			9	6						2	55.00
Por. Twp. Totals		56.00			9	74						2	141.00
T. 4 S., R. 32 E. W.M.													
6		269.93	51		22	195		82				15	634.93
7		265.46			7	120	2					3	397.46
Por. Twp. Totals		535.39	51		29	315	2	82				18	1,032.39
Comp't 15 Totals	138.00	714.99	253		73	661	2	89				102	1,896.99

TABLE NO. 4 (Cont'd)  
SUMMARY OF FOREST TYPE ACREAGES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
CAMAS BLOCK

Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net. N.F. Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
T. 4 S., R. 33 E., W.M.													
COMPARTMENT No. 16													
4		5.00				199		15	84			17	320.00
5		34.48	13			339			128			47	561.48
8		3.00	1			10			86				100.00
9		158.00	1		2	225			145			3	534.00
10		13.00				2		2	3				20.00
15		40.00			1	48						1	90.00
16		27.00			9	116			8			14	174.00
Comp't 16 Totals		280.48	15		12	939		17	454			82	1,799.48
T. 4 S., R. 33 E., W.M.													
COMPARTMENT No. 17													
2		28.00	19			37	2		17			3	106.00
3		184.99	18			4	217		70			16	509.99
4		44.62				55	90	76	46			8	319.62
9						52							52.00
10		90.00	12			78	101	22	229			88	620.00

Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net. N.F. Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
11		31.00				26	6		47			26	136.00
15		26.00	11	5	4	60			129			69	304.00
Comp't 17 Totals		404.61	60	5	4	312	416	98	538			210	2,047.61
T. 4 S., R. 33 E., W.M.		COMPARTMENT No. 18											
11						87		14	53			50	204.00
13		138.00				258			79			82	557.00
14		157.00	5		4	136		1	18			88	409.00
24		126.00	12	13	46	274		50	10			5	536.00
25		3.00				1		14					18.00
Por. Twp. Totals		424.00	17	13	50	756		79	160			225	1,724.00
T. 4 S., R. 33 ½ E., W.M.		COMPARTMENT No. 18											
14		96.00	6	3	3	124		61	90			121	504.00
15		65.80				57		6	26			9	163.80
22		86.88				48			30			4	187.88
23		257.00	16			58			92			91	640.00
24		43.00	2			6						44	95.00
25		49.00				13			17			33	112.00
26		307.00				30			1			12	760.00
27		54.00				14						2	70.00
36	24.00	No	Govern	-ment	land								
Por. Twp. Totals		24.00	958.68	24	3	124	484		67	256		316	2,232.68
Comp't 18 Totals		24.00	1382.68	41	16	174	1,240		146	416		541	3,956.68
T. 4 S., R. 33 ½ E., W.M.		COMPARTMENT No. 19											
13		215.00		25	57	53		40	3			91	484.00
14		3.00			2			10	51			34	100.00
24		311.00				127		6				58	545.00
25		334.00				50			13			38	527.00
36	100.00	No	Govern	-ment	land								
Por. Twp. Totals		100.00	863.00		25	236	188		56	67		221	1,656.00

TABLE NO. 4 (Cont'd)  
SUMMARY OF FOREST TYPE ACREAGES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
CAMAS BLOCK

Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net. N. F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
T. 4 S., R. 34 E., W.M.													
19		152.68			58	18						86	314.68
20		38.00			2							35	75.00
28		64.00			15	22						5	106.00
29		139.00		1	33	78		8				67	326.00
30		215.48	15		90	62						90	472.48
Por. Twp. Totals		609.16	15	1	198	180		8				283	1,294.16
Compt' 19 Totals	100.00	1472.16	15	26	434	368		64	67			504	2,950.16
T. 4 S., R. 33 ½ E., W.M.													
35		22.00							20			18	60.00
36	434.00		No	Gov't. Land									
Por. Twp. Totals	434.00	22.00							20			18	60.00
T. 4 S., R. 34 E., W.M.													
27		143.00	3		40	10						44	240.00
28		221.00	3		27	10		24	2			39	326.00
29		212.00		2	32	14						30	288.00
30		127.00			20	17						6	172.00
31		257.20	1		57	10						246	647.20
32		459.00	27		14	24		76				24	640.00
33		418.00	64		8	97		11	81			19	640.00
34		334.00	8		52	55			34			71	520.00
Por. Twp. Totals		2171.20	106	2	250	237		111	117			479	3,473.20
T. 5 S., R. 33 ½ E., W.M.													
1												60	60.00
2		5.00						6				5	16.00
Por. Twp. Totals		5.00						6				65	76.00

Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net. N. F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
T. 5 S., R. 34 E., W.M.													
3		287.00	18		23	101						40	469.00
4		408.80			51	122						39	620.00
5		169.62			18	55						50	292.62
6		137.46	3		12	42						94	288.46
10		37.00	10		4	15						1	67.00
Por. Twp. Totals		1039.88	31		108	335						224	1,737.88
Comp't 20 Totals	434.00	3238.08	137	2	358	572		117	137			786	5,347.08
T. 4 S., R. 33 ½ E., W.M.													
COMPARTMENT No. 21													
35												6	6.00
36	18.00	No	Gov't.	Land									
Por. Twp. Totals	18.00											6	6.00
T. 4 S., R. 33 ½ E., W.M.													
1		112.76	26		8	20		79				335	580.75
2		29.00	8					64				65	166.00
12	98.00	142.00				196	51			4		11	404.00
13		147.00				99	5	5	8			24	288.00
Por. Twp. Totals	98.00	430.76	34		8	315	56	148	8		4	435	1,438.76

TABLE NO.4 (Continued)

SUMMARY OF FOREST TYPE ACREAGES  
 JOHN DAY – GRANDE RONDE WORKING CIRCLE  
 CAMAS BLOCK

Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net. N. F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
T. 5 S., R. 34 E., W.M.													
4		5.00			8							7	20.00
5		184.00		4	85	9						68	350.00
6		178.00	4	7	81	39			8			43	360.00
7		216.34			58	283		22	4			20	603.34
8		185.00			40	108		1				26	360.00
9		40.00			12	3		21				28	104.00
18		39.56			2	116				43		17	217.56
Por. Twp. Totals		847.90	4	11	286	558		44	12	43		209	2,014.90
Comp't 21 Totals	116.00	1,278.66	38	11	294	873	56	192	12	51	4	650	3,459.66
T. 5 S., R. 33 ½ E. W.M.													
COMPARTMENT No. 22													
2	74.00		33	4		21		136				99	293.00
3	68.18	0.58		20		11	3	11					45.58
10			57			1	44	3					105.00
11	40.00	136.00	21	3	3	263	83	11	11	7		4	542.00
12	22.00	36.00				58	9			2		11	116.00
13		176.00				116		9	5	32		16	352.00
14		68.00				161	4	16	67	25		6	347.00
Comp't 22 Totals	204.18	416.58	111	27	3	631	143	186	81	66		136	1,800.58
T. 4 S., R. 33 E., W.M.													
COMPARTMENT No. 23													
24		34.00		19	10			1					64.00
25		302.00	46	119	44	90						21	622.00
26		100.00	29		10	16		11					166.00
35	72.00	158.00	191	58	9	3		26	24			7	476.00
36	640.00	(No Gov't. Land)											



Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net. N. F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
Por. Twp. Totals	712.00	594.00	266	196	73	109		38	24			28	1,328.00
T. 4 S., R. 33 ½ E., W.M.													
25		1.00											1.00
26		160.00						8				6	180.00
27		57.38	11		6			1	5			6	118.38
34		110.90		6	32	6						71	187.90
35		333.00			33			34				174	574.00
36	64.00	(No	Gov't.	Land)									
Por. Twp. Totals	64.00	662.28	11	6	71	6		43	5			257	1,061.28
T. 5 S., R. 33 ½ E., W.M.													
1	87.52	12.84										67	79.84
2	42.00	(No	Gov't.	Land)									
Por. Twp. Totals	129.52	12.84										67	79.84
T. 5 S., R. 33 ½ E., W.M.													
2	6.00	56.36			1							24	86.36
3	24.00	.73	2					5				44	46.73
Por. Twp. Totals	30.00	57.09	2		1			5				68	133.09
Comp't 23 Totals	935.52	1326.21	279	202	145	115		86	29			420	2,602.21

TABLE NO. 4 (Continued)  
SUMMARY OF FOREST TYPE ACREAGES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
CAMAS BLOCK

Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net. N.F. Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
T. 4 S., R. 33 E., W.M.		COMPARTMENT No. 24											
14		53.00	3		8	111						56	231.00
15		46.00	11	7	22	58	2		10			68	224.00
21		14.00	6				5					3	28.00
22		230.00	32	6	6	92	180	12	8			74	640.00
23		140.00	21	23	38	312	4	12	50			40	640.00
24		19.00		18					3				40.00
26		156.00	48	58	59	94		47				12	474.00
27		215.00	2	16	15	84						25	357.00
34		10.00	6	6		13			1				36.00
35	8.00	28.00	1		12	42			1				84.00
Comp't 24 Totals	8.00	911.00	130	134	160	806	191	71	73			278	2,754.00
T. 4 S., R. 33 E., W.M.		COMPARTMENT No. 25											
15		19.00			3								22.00
16	200.00	(No	Gov't.	Land)									
20		67.00			12	14	2					9	104.00
21		238.00	68		58	97	51					69	581.00
28		200.00			22	40						80	342.00
29		340.00	2		8	76						73	499.00
30		8.00				12						2	22.00
32		78.00	63		6	62		1				4	214.00
33		15.00				2							17.00
Comp't 25 Totals	200.00	965.00	133		109	303	53	1				237	1,801.00
T. 4 S., R. 33 E. W.M.		COMPARTMENT No. 26											
5		4.00				28			40			8	80.00
6		2.00				21			41			2	66.00
7					47	123			39			1	210.00

Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net. N.F. Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
8	120.00	292.00			18	159			13			58	540.00
9		32.00			2	6						14	54.00
16		46.00			16	69			6			9	146.00
17		273.00	35		116	174			2			40	640.00
18		40.00			53	37							130.00
19		12.00	10			18						4	44.00
20		283.00		9	48	111	6		5			44	506.00
21		11.00			1								12.00
29		55.00			6	26						54	141.00
30		145.00		2		26						19	192.00
Comp't 26 Totals	120.00	1,195.00	47	9	307	798	6		146			253	2,761.00
T.4 S., R. 33 E., W.M.		COMPARTMENT No. 27											
30						46						6	52.00
31		190.44	128		18	178						95	609.44
32		42.00		1	1							10	54.00
Por. Twp. Totals		232.44	128	1	19	224						111	715.44
T. 5 S., R. 33 E., W.M.													
5		173.00			19	11						75	278.00
8		30.00			24							100	154.00
Por. Twp. Totals		203.00			45	11						175	432.00
Comp't 27 Totals		433.44	128	1	62	235						286	1,147.44

TABLE NO. 4 (Cont'd)  
SUMMARY OF FOREST TYPE ACREAGES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
CAMAS BLOCK

Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net. N. F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
T. 4 S. R. 33 E., W.M.		COMPARTMENT No. 28											
30						30							30.00
31						22							22.00
32						216							216.00
33		3.00				10		16				1	30.00
Por. Twp. Totals		3.00				278		16				1	298.00
T. 5 S. R. 33 E., W.M.													
4		120.00			24	85						68	297.00
5		242.24			22	78						18	360.24
8		127.00			17	22							166.00
9		170.00	26		70	16						28	310.00
Por. Twp. Totals		639.24	26		133	201		16				114	1,33.24
Comp't 28 Totals		662.24	26		133	479						115	1,431.24
T. 4 S. R. 33 E., W.M.		COMPARTMENT No. 29											
21		1.00			11							7	19.00
27		118.00	12	29	36	31	34					23	283.00
28		188.00	20		24					10		56	298.00
32		125.00				11		10					156.00
33		421.00	4		51	59		40		2		2	579.00
34	218.00	90.00	100	44	51	6				36		25	352.00
Por. Twp. Totals		218.00	933.00	136	73	173	107	34	50	48		113	1,687.00
T. 5 S. R. 33 E., W.M.													
3	32.00	(No	Gov't.	Land)									
4		6.00								4		10	20.00
Por Twp. Totals		32.00	6.00							4		10	20.00
Comp't 29 Totals		250.00	959.00		73	173	107	34	50	52		123	1,707.00

Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net. N. F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
T. 4 S. R. 33 E., W.M.		COMPARTMENT No. 30											
33		2.00						10				2	14.00
34	22.00			1				2	2			7	12.00
Por. Twp. Totals	22.00	2.00		1				12	2			9	26.00
T. 5 S., R. 33 E., W.M.													
2	24.00	52.00				14		14	39			1	120.00
3	46.55	371.83				54		56	19			58	558.83
4		237.66			24	12		21				26	320.66
9		153.00	51		71	34						21	330.00
10		251.00			12	70						77	410.00
14		40.00			4	12							56.00
15		181.00			7	229		6				17	440.00
Por. Twp. Totals	70.55	1,286.49	51		118	425		97	58			200	2,235.49
Comp't 30 Totals	92.55	1,288.49	51	1	118	425		109	60			209	2,261.49
T. 5 S., R. 33 E., W.M.		COMPARTMENT No. 31											
1	192.00	76.00	38		12	64		42				48	280.00
2	291.76	136.00			2	11			9			2	160.00
11		146.00				22						14	182.00
12	280.00	220.00	21		34	38	2			8		31	354.00
13	40.00	95.00	44		7	217			2	33		28	426.00
24		18.00	6		12	42				36		6	120.00
Por. Twp. Totals	803.76	691.00	109		67	394	2	42	11	77		129	1,522.00

TABLE NO. 4 (Continued)  
SUMMARY OF FOREST TYPE ACREAGES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
CAMAS BLOCK

Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net N.F. total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
T. 5 S. R. 33 ½ E., W.M.													
10		0.56	47			28				1			76.56
11		12.00	7			32		7					58.00
14		56.00	1	14		186	3			18		15	293.00
15		24.23	7			130		6		10		4	181.23
Por. Twp. Totals		92.79	62	14		376	3	13	11	29		19	608.79
Comp't 31 Totals		78.79	171	14	67	770	5	55		106		148	2,130.79
T. 5 S. R. 33 E., W.M. COMPARTMENT No. 32													
10		137.00			6	63						24	230.00
11		307.00			2	104						45	458.00
12		6.00											6.00
13		80.00	30		8	42			3			11	174.00
14		241.00	26		19	274						24	584.00
15		58.00				16							74.00
23		2.00				60							62.00
24		106.00	34	14	4	150				27		3	338.00
Comp't 32 Totals		937.00	90	14	39	709			3	27		107	1,925.00
T. 5 S. R. 33 E., W.M. COMPARTMENT No. 33													
15		78.00				48							126.00
21		92.00	24		1	170			7				294.00
22		337.00	7			279			11			6	640.00
23		141.00	62		16	43			25			5	290.00
27		10.00	2			288		38					338.00
28						45							45.00
Comp't 33 Totals		658.00	95		17	873		38	43			9	1,733.00
T. 5 S. R. 33 E., W.M. COMPARTMENT No. 34													
23		217.00			5	51				1		14	288.00
24		115.00	30	12	3	4				5		13	182.00
25		174.00	3		12	361			34			56	640.00

Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net N.F. total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
26		82.00				480						4	566.00
36		118.00				390						10	518.00
Compt. 34 Totals		706.00	33	12	20	1,286			34	6		97	2,194.00
T. 5 S. R. 33 E., W.M.		COMPARTMENT No. 35											
26						19			55				74.00
33		40.00											40.00
34		275.00			4	150			18		3		450.00
35		180.00				427			93				640.00
36		23.00		6		63			30				122.00
Comp't 35 totals		458.00		6	4	659			196			3	1,326.00
T. 5 S. R. 33 E., W.M.		COMPARTMENT No. 36											
20		14.00	1		10							17	42.00
21	40.00	35.00	38		20	52						1	146.00
27		44.00	13		14	221				9		1	302.00
28		214.00	42		28	242		32				5	563.00
29		1.00			6							1	8.00
33		447.00			18	33						6	504.00
34		134.00			6	50							190.00
Compt' 36 totals		40.00	889.00	94		102	598		32	9		31	1,755.00

TABLE NO. 4 (Continued)  
SUMMARY OF FOREST TYPE ACREAGES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
CAMAS BLOCK

Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net. N. F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
T. 5 S., R. 33 E., W. M.		COMPARTMENT No. 37											
20		235.00	12		60	31						260	598.00
28		19.00			10							3	32.00
29		324.00			49	42						117	532.00
32		24.00										16	40.00
33		7.00			6							9	22.00
Comp't 37 totals		609.00	12		125	73						405	1,224.00
T. 5 S., R. 33 E., W. M.		COMPARTMENT No. 38											
29		58.00				15						27	100.00
32		325.00			11	102						162	600.00
33		67.00			3							4	74.00
Comp't 38 totals		450.00			14	117						193	774.00
T. 5 S. R. 32 E., W. M.		COMPARTMENT No. 39											
31	320.11	350.71	15									256	321.71
32	120.00	180.00	58		54	70						158	520.00
33	40.00	74.00	37		38	39	34					46	268.00
Por. Twp. Totals	480.11	304.71	110		92	109	34					460	1,109.71
T. 6 S. R. 32 E., W. M.													
3	86.68	122.00	80		82	88						48	420.00
4	112.16	245.00	55		86	72						22	480.00
5	107.85	200.71			84	3						194	481.71
6		95.19	4									492	591.19
10		112.00	58	54	32	56						8	320.00
Por. Twp. Totals	306.69	774.90	197	54	284	219						764	2,292.90
Comp't 39 totals	786.80	1,079.61	307	54	376	328	34					1,224	3,402.61



Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net. N. F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
T. 5 S. R. 32 E., W. M.		COMPARTMENT No. 40											
33	200.00	36.00	3		6	66						21	132.00
34	120.00	300.00			3	203						14	520.00
35	120.00	16.00				181						3	200.00
Por. Twp. Totals	440.00	352.00	3		9	450						38	852.00
T. 6 S. R. 32 E., W. M.													
1	55.80	136.40			62	253						84	536.40
2	68.18	289.54	28		18	188							523.54
3	26.00	18.00	18		21	3							60.00
11		338.00	5		65	232							640.00
12		326.00			71	235						8	640.00
Por. Twp. Totals	149.98	1,107.94	51		237	911						92	2,398.94
Comp't 40 totals	589.98	1,459.94	54		246	1,361						130	3,250.94
		CAMAS BLOCK TOTALS											
Forty Comp'ts	9,485.32	31502.70	3,600	788	4,320	18893	1,071	1,354	2,683	256	4	8,532	73,003.70
Acreage percentage of Types		55.1				27.3%		5.5%		12.1%			

TABLE NO. 5  
SUMMARY OF FOREST TYPE ACREAGES  
JOHN DAY – GRAND RONDE WORKING CIRCLE  
PILOT ROCK BLOCK

Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net N. F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FI-3 Acres	FI-2 Acres	Lp-2 Acres	Lp-1 Acres				
T. 3 S., R. 32 E., M. W.													
25	62.00	138.00	6	4		218	26		29			63	484.00
26		2.00	8	20		83	62	1	59			71	306.00
27			1			35	1		34			6	75.00
32		117.16				253			7			73	450.16
33		82.00	9			141			10			68	310.00
34						16							16.00
Por. Twp. Totals	62.00	339.16	24	24		744	89	1	139			281	1,641.16
T. 3 S., R. 33 E., W. M.													
29		4.00	6									3	13.00
30		19.00	52		5	132			40			4	252.00
31			46		1	25						10	82.00
32		4.00	3			9						2	18.00
Por. Twp. Totals		27.00	107		6	166			40			19	365.00
T. 4 S., R. 32 E., W. M.													
5		43.89				81						4	128.89
Block Totals	62.00	410.05	131	24	6	991	89	1	179			304	2,135.05
Acreage percentage of Types		26.8%				50.6%		8.4%		14.2%			

TABLE NO. 6  
SUMMARY OF FOREST TYPES ACREAGES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
STARKEY BLOCK

Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net N.F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
T. 4 S., R. 33 E., W.M.		COMPARTMENT No. 8											
1		275.98	66			98	32	1	166			81	638.98
2		22.84	70			57	7	10	284			2	531.84
3			25				32		69			50	128.00
11		102.00	6			104			38			40	300.00
12		103.00				271			226			4	640.00
13						26			53				83.00
Por. Twp. Totals		503.82	167			556	71	11	836			177	2,321.82
T. 4 S. R. 33½ E., W.M.													
2		150.68	56		4	116		42	124			56	548.68
3		86.93	1			24			30			26	167.93
10		75.32				26	14		57			16	188.32
11		238.00				66		19	211			106	640.00
12		23.00				25		44	42			5	140.00
14		2.00						14	6			14	36.00
15		1.00				8		10	3			2	24.00
Por. Twp. Totals		576.93	57		4	265	14	129	473			226	1,744.93
Comp't 8 Totals		1,080.75	224		4	821	85	140	1,309			403	4,066.75
T. 4 S., R. 33½ E., W.M.		COMPARTMENT No. 9											
1		212.20	21			162		110				42	547.20
12		198.00				168		64	38			32	500.00
13		3.00				27		12	12			12	66.00

Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net N.F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
Por. Twp. Totals		413.20	21			357		186	50			86	1,113.20
T. 4 S., R. 34 E., W.M.													
5		208.36	1		43	123						98	473.36
6		246.10	8		71	143						78	546.10
7		211.81	4		75	158		24				110	582.81
8		50.00	3	1	10	3						113	180.00
18						6						3	9.00
Por. Twp. Totals		716.27	16	1	199	433		24				402	1,791.27
Comp't 9 Totals		1,129.47	37	1	199	790		210	50			488	2,904.47
T. 4 S. R. 33 ½ W.M.													
13		20.00			10	22		1				37	90.00

TABLE NO. 6 (Continued)  
SUMMARY OF FOREST TYPE ACREAGES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
STARKEY BLOCK

Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net. N.F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
T. 4 S., R. 34 E., W. M.													
4	226.00	342.75		2	72	88	31					3	538.75
5		36.00			12	20	1						69.00
7		38.00			14	18			13			7	60.00
8		236.00			45	67				7		105	460.00
9		316.00		2	51	86						59	514.00
16		177.00	10		31	92						10	320.00
17		346.00	14		85	57				3		135	640.00
18		148.41			48	181			65			193	635.41
19		72.00		1	26	36			1			193	329.00
20		226.00	7		6	135				11		180	565.00
21		244.00	10		17	150				28		191	640.00
22		87.00				56						29	172.00
27		66.00				55						3	124.00
28		140.00	2		14	38						14	208.00
29	12.00										14	26.00	
Por Twp. Totals	226.00	2,457.16	43	5	431	1,079	32	79	49			1,136	5,301.16
Comp't 10 Totals	226.00	2,477.16	43	5	431	1,101	32	80	49			1,175	5,391.16
T. 4 S., R. 34 E., W. M. COMPARTMENT No. 11 (Incomplete)													
4	94.00	4.00											4.00
9		103.00			12	11							126.00
16		(No	Gov.	Land)									
22		60.00											
23		122.00	12			19						9	88.00
26		120.00	26			52						4	190.00
27	205.00				112	3					19	280.00	

Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net. N.F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
						60						11	276.00
Por Twp. Totals	94.00	614.00	38		12	254	3					43	964.00
Comp't 11 Totals	94.00	614.00	38		12	254	3					43	964.00
T. 4 S., R. 34 E., W. M.		COMPARTMENT No. 12 (Incomplete)											
24		35.00	2	1	2	3							43.00
25		34.00										6	40.00
26		282.00	22		8	3	10					35	360.00
34		96.00			7	17							120.00
35		305.00			15	92						68	480.00
Por. Twp. Totals		752.00	24	1	32	115	10					109	1,043.00
T. 5 S., R. 34 E., W. M.													
1		208.62			12	260			10			149	639.62
2		374.29				144			4			117	639.29
3		107.68			2	57						4	170.68
10		22.00				111						10	143.00
11		32.00				196	2		4			26	260.00
12		93.00	14			337			61			39	544.00
Por. Twp. Totals		837.59	14		14	1,105	2		79			345	2,396.59

TABLE NO. 6 (Continued)  
SUMMARY OF FOREST TYPE ACREAGES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
STARKEY BLOCK

Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net. N.F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
T. 5 S., R. 34 E. W. M.													
7		1.09	5			2			66			3	77.09
Comp't 12 Totals		1,590.68	43	1	46	1,222	12		145			457	3,516.68
T. 5 S., R. 34 E. W. M. COMPARTMENT No. 13 (Incomplete)													
9	80.00	284.00			101	17		23	8			23	456.00
10		280.00	2	5	74	57						12	430.00
11		194.00			1	87	26					72	380.00
12		42.00				44						10	96.00
13	80.00	421.00						18	27			94	560.00
14		287.00			24	2		2	11			34	360.00
15		49.00			14	10			74			13	160.00
Por. Twp. Totals	160.00	1,557.00	2	5	214	217	26	43	120			258	2,442.00
T. 5 S., R. 35 E. W. M.													
7									40				40.00
18		19.94						69				30	118.94
Por. Twp. Totals		19.94						69	40			30	158.94
Comp't 13 Totals	160.00	1,576.94	2	5	214	217	26	112	160			288	2,600.94
T. 5 S., R. 34 E. W. M. COMPARTMENT No. 14 (Incomplete)													
7	40.00	91.00				23			17				40.00
8		7.00			37	75			34			3	240.00
18				2		67		9		21			106.00
Comp't 14 Totals	40.00	98.00		2	37	165		9	51	21		3	386.00

Section & Township	Alienated Land Acres	Ponderosa Pine				WF-Larch-DF		Lodgepole		Juniper Acres	Mtn. Mahogany Acres	Grass Acres	Net. N.F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	Lp-2 Acres	Lp-1 Acres				
		Starkey Block Totals											
7 Comp't	520.00	8,567.00	387	14	943	4,570	158	551	1,764	21		2,855	19,830.00
Acreage percentage of types		~~~~~				~~~~~		~~~~~		~~~~~			
		50.00%				24.0%		11.7%		14.3%			
		PROJECT TOTALS											
3 Blocks	10,031.32	40479.75	4,118	826	5,269	24,454	1,318	1,906	4,626	277	4	11,691	94,968.75
Acreage percentage of Types		~~~~~				~~~~~		~~~~~		~~~~~			
		53.4%				27.2%		6.8%		12.6%			



TABLE NO. 7  
SUMMARY OF TIMBER ESTIMATES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
CAMAS BLOCK

Section & Township	Acreage N. F. Acres	M. Ft. B. M. for Species									No. of Dis- eased trees	Cord volume		No of Snags All Species				
		Ponderosa Pine			LP	D	WF	WL	ES	Total		LP	WJ	12"- 20"	22"- 30"	32"- 40"	42"	Total
		Mature	Immature	Total														
T. 4 S., R. 32 E. W.M.		<b>COMPARTMENT No. 1</b>																
6	222.37	1,729	65	1,792		499	14	155		2,460				64	10		74	
7	230.00	2,843	107	2,950		559		99		3,608			8	29	36		73	
Comp't 1 Totals	452.37	4,572	170	4,742		1,058	14	254		6,068			8	93	46		147	
T. 4 S., R. 32 E. W.M.		<b>COMPARTMENT No. 2</b>																
4	48.00	53	24	77	2	68	13	34		194	20		31	8			39	
5	460.00	1,165	581	1,746	4	1,330	392	291	76	3,839	217	13	657	217			874	
6	265.92	2,445	171	2,616	5	1,849		376		4,845			133	213	71		417	
7	170.00	586	37	683		1,300	167	502		2,592			40	58	22		120	
8	230.00	2,766	175	2,941		693		535		4,169			178	102	40		320	
Comp't 2 Totals	1,173.92	7,015	988	8,003	11	5,240	572	1,738	76	15,640	237	13	1,039	598	133		1,770	
T. 4 S., R. 32 E. W.M.		<b>COMPARTMENT No. 3</b>																
4	38.00	107	75	180		58	2	29	77	346	15		87	4			91	
5	20.00	23	10	33		9				42								
8	290.00	4,017	430	4,447		1,085	67	389		5,988			53	200	56		309	
9	190.00	562	149	711	1	471	112	40	6	1,341	256		130	155	20		305	
17	240.00	1,850	253	2,103		497		702		3,302			28	38	9		75	
Comp't 3 Totals	778.00	6,559	915	7,474	1	2,120	181	1,160	83	11,019	271		298	397	85		780	
T. 4 S., R. 32 E. W.M.		<b>COMPARTMENT No. 4</b>																
21	320.00	1,108	329	1,437		227		39		1,703			127	20	17		164	
T. 4 S., R. 32 E. W.M.		<b>COMPARTMENT No. 5</b>																
21	160.00	409	34	443	3	161	23	126		756			26		9		35	
22	106.00	131	16	147	61	129	77	76	4	494	10		185	30			215	
Comp't 5 Totals	266.00	540	50	590	64	290	100	202	4	1,250	10		211	30	9		250	
T. 4 S., R. 32 E. W.M.		<b>COMPARTMENT No. 6</b>																
10	106.00	326	94	420	4	91	45	154	11	725	32		41	39			80	
15	382.00	1,274	331	1,605	4	322	41	215	52	2,239	6		239	70	25		354	
22	60.00	277	71	348		53	6	18		425			20	30	10	10	70	
Comp't 6 totals	548.00	1,877	496	2,373	8	466	92	387	63	3,389	38		320	139	35	10	504	
T. 3 S., R. 32 E. W.M.		<b>COMPARTMENT No. 7</b>																
27	86.00	57	196	253		1,055	16			269			259	150				
33	330.00	677	212	889	1	403	314	284	113	2,656	292			14	12		409	
34	584.00	1,406	560	1,966	11	93	144	421		2,945	132			9			26	
35	40.00	117	132	249	37		220	95	5	699	392	62	131				140	
Por. Twp.	1,040.00	2,257	1,100	3,357	49	1,551	694	800	118	6,569	816	62	390	173	12		575	

Section & Township	Acreage N. F. Acres	M. Ft. B. M. for Species									No. of Dis-eased trees	Cord volume		No of Snags All Species				
		Ponderosa Pine			LP	D	WF	WL	ES	Total		LP	WJ	12"-20"	22"-30"	32"-40"	42"	Total
		Mature	Immature	Total														
Totals																		
T. 4 S., R. 32 E. W.M.																		
2	140.00	349	145	494	3	359	17	127		1,000		10		66	18	10		94
3	520.05	1,027	545	1,572	39	1,031	538	505	108	3,813	76	65		877	183	20		1,080
4	554.10	1,090	645	1,735	4	1,266	357	212	70	3,644	156	121		764	216			980
9	130.00	540	262	802		482	135	112	5	1,556	225			279	143	19		441
10	388.00	913	496	1,409	31	483	183	571	42	2,719	158			342	151	50		543
11	33.00	113	41	154		81	6	10		251				30	29			59
Por. Twp. Totals	1,765.15	4,032	2,134	6,166	77	3,702	1,276	1,537	225	12,983	615	196		2,358	740	99		3,197
Comp't 7 Totals	2,805.15	6,289	3,234	9,523	126	5,233	1,970	2,337	343	19,552	1,431	258		2,748	913	111		3,772

TABLE No. 7 (Continued)  
SUMMARY OF TIMBER ESTIMATES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
CAMAS BLOCK

Section & Township	Acreage N.F. Acres	M. Feet B. M. for Species									No. Dis-eased Trees	Cord Volume		Number of Snags, All Species						
		Ponderosa Pine			LP	D	WF	WL	ES	Total		LP	WJ	12"-20"	22"-30"	32"-40"	42"	Total		
		Mature	Immature	Total																
T. 3 S., R. 32 W.M.					<b>COMPARTMENT No. 8</b>															
25	136.00	386	30	416	61	838	55	38		1,408		162		87	129	15		231		
26	254.00	141	252	393	10	104		21		528		790		3	5			6		
35	120.00	61	94	155	47	37	21	128	4	392		254		293	34			327		
36	102.00	133	168	301	22	221	9	159	8	720		48		225	39			264		
Por. Twp. Totals	612.00	721	544	1,265	140	1,200	85	346	12	3,048		1254		608	205	15		828		
T. 4 S., R. 32 E. W.M.																				
1	146.00	233	373	606	6	173		144	10	939				121	20	3		144		
Comp't 8 totals	758.00	954	917	1,871	145	1,373	85	490	22	3,987		1254		729	225	18		972		
T. 3 S., R. 32 W.M.					<b>COMPARTMENT No. 9</b>															
35	80.00	78	78	156	1	13		17		187				55				55		
T. 4 S., R. 32 W.M.																				
1	408.00	752	662	1,414	10	825	7	371	7	2,634	37	30		334	49			383		
2	399.00	416	563	979+	17	216	1	452		1,665		138		122	20	10		152		
11	60.00	157	174	331	2	103	5	69		508				38	34			72		
12	421.00	623	622	1,245	15	419	95	232	16	2,020	19			58	44	30		132		
13	50.00	61	68	129		81	20	57	18	305				40				40		
Por. Twp. Totals	1,338.80	2,009	2,089	4,098	44	1,644	124	1,181	41	7,132	56	168		592	147	40		779		

Section & Township	Acreage N.F. Acres	M. Feet B. M. for Species									No. Dis-eased Trees	Cord Volume		Number of Snags, All Species				
		Ponderosa Pine			LP	D	WF	WL	ES	Total		LP	WJ	12"-20"	22"-30"	32"-40"	42"	Total
		Mature	Immature	Total														
T. 4 S., R. 32 W.M.																		
7	28.00	72	64	136		20				17	156							
18	47.00	10	7	17		27	11	110		17	182			10		1		11
Por. Twp. Totals	75.00	82	71	153		47	11	110		17	338			10		1		11
Comp't 9 totals	1,493.80	2,169	2,238	4,407	45	1,704	135	1,308		58	7,657	56	168	657	147	41		845
T. 4 S., R. 32 W.M.																		
<b>COMPARTMENT No. 10</b>																		
10	66.00	256	107	363	1	350	41	47		6	508	25		47	40	11		98
11	547.00	1,614	932	2,546	24	813	127	294			3,804	50	16	260	142	65		467
12	50.00	58	118	176		39	4	19			238				3			3
13	50.00	157	97	254		75	28	33			390	17		12	4			16
14	480.00	1,729	226	1,955	3	466	101	328		1	2,854	19		523	277	158		972
15	258.00	1,055	220	1,275		228	60	181			1,744	51	9	196	78	18	14	292
22	234.00	992	218	1,210		82	20	94			1,406			62	70	9		141
23	225.00	749	90	839		318	47	161		6	1,371	35		110	85	30		223
Comp't 10 totals	1,910.00	6,610	2,008	8,618	28	2,071	428	1,157		13	12,315	197	25	1,210	697	291	14	2,212
T. 4 S., R. 32 W.M.																		
<b>COMPARTMENT No. 11</b>																		
23	175.00	314	81	395		129	9	30			563			21	20			41
24	100.00	361	111	472		36					508			13				13
25	31.00	9	2	11	5	35	2	5			58			100				100
26	80.00	132	11	143	13	205	262	218			841	53		174	94	23		291
Comp't 11 totals	386.00	816	205	1,021	18	405	273	253			1,970	53		308	114	23		445
T. 4 S., R. 32 W.M.																		
<b>COMPARTMENT No. 12</b>																		
25	191.00	983	371	1,354		58		5			1,417			60	10			70
26	80.00	7	12	19							19							
Comp't 12 totals	271.00	990	383	1,373		58		5			1,436			60	10			70

TABLE NO. 7(Continued)  
SUMMARY OF TIMBER ESTIMATES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
CAMAS BLOCK

Section & Township	Acreage N.F. Acres	M. Feet B. M. for Species									No. Diseased Trees	Cord Volume		Number of Snags, All Species				
		Ponderosa Pine			LP	D	WF	WL	ES	Total		LP	WJ	12"-20"	22"-30"	32"-40"	42"	Total
		Mature	Immature	Total														
<b>COMPARTMENT No. 13</b>																		
T. 4 S., R. 32 E. W. M.																		
12	114.00	199	172	371		122	41	78		612	50			70	7			77
13	540.00	2,138	1,066	3,204	12	967	203	223		4,609	140			180	148	10		338
24	260.00	1,084	494	1,578	2	471	27	144	11	2,233	20			200	100	10		310
25	58.00	158	69	227	9	107	6	107	1	457				140	50			190
Por. Twp. Totals	972.00	3,579	1,801	5,380	23	1,667	277	552	12	7,911	210			590	305	20		915
<b>COMPARTMENT No. 14</b>																		
T. 4 S., R. 33 E. W. M.																		
18	24.00	59	45	104		64				168				3	25			28
19	327.58	1,023	320	1,343	3	243	22	299	27	1,937	8			168	101	9		278
30	333.60	1,127	683	1,810	3	402	10	505	18	2,748				163	124	8	8	303
31	6.00	4	6	10		15		1		26								
Por. Twp. Totals	691.18	2,213	1,054	3,267	6	724	32	805	45	4,879	8			334	250	17	8	609
Comp't 13 Totals	1,663.18	5,792	2,855	8,647	29	2,391	309	1,357	57	12,790	218			924	555	37	8	1,524
<b>COMPARTMENT No. 15</b>																		
T. 4 S., R. 33 E. W. M.																		
18	435.32	1,379	646	2,025	63	685	116	617	173	3,679				223	83	8		308
19	265.00	510	92	602	4	193	10	274	26	1,109				44	45			97
20	30.00	14	3	17		36	2	35		90								
30	8.00				4	13		47	3	67								
Comp't 14 Totals	738.32	1,903	741	2,644	71	927	128	973	202	4,945				269	128	8		405
<b>COMPARTMENT No. 16</b>																		
T. 3 S., R. 32 E. W. M.																		
25	20.00	63	6	69		74				143				18	9			27
36	138.00	347	322	669	10	412	15	86		1,192	36	4		345	76			422
Por. Twp. Totals	158.00	410	328	738	10	486	15	86		1,335	36	4		364	85			449
<b>COMPARTMENT No. 17</b>																		
T. 3 S. R 33 E. W. M.																		
30	21.00	167	76	243	3	101	1	5		353				74	42	21		137
31	544.60	987	921	1,908	94	1,624	191	554	102	4,473	130			784	215	26		1,025
Por. Twp. Totals	565.60	1,154	997	2,151	97	1,725	192	559	102	4,826	130			858	257	47		1,162
<b>COMPARTMENT No. 18</b>																		
T. 4 S., R. 32 E. W. M.																		
1	86.00	114	70	184	5	168	13	147	31	548				81		7		88
12	55.00	95	120	215	1	65	27	35		343	10			2				2
Por. Twp. Totals	141.00	209	190	399	6	233	40	182	31	891	10			83		7		90
<b>COMPARTMENT No. 19</b>																		
T. 4 S., R. 33 E. W. M.																		
6	634.93	805	553	1,358	10	753	190	391	18	2,720	144	140		483	152	62		697
7	397.46	1,276	491	1,767	10	818	51	218	49	2,913		10		155	66			221
Por. Twp. Totals	1,032.39	2,081	1,044	3,125	20	1,571	241	609	67	5,633	144	150		638	218	62		918
Comp't 15 Totals	1,896.99	3,854	2,559	6,413	133	4,015	488	1,436	200	12,685	320	154		1,943	560	116		2,619
<b>COMPARTMENT No. 20</b>																		
T. 4 S., R. 33 E. W. M.																		
4	320.00	34		34	61	170	64	199	37	565	89	96		55	18	37		110
5	561.48	179	48	227	46	674	246	468	83	1,744	145	354		1,193	277	69		1,539

Section & Township	Acreage N.F. Acres	M. Feet B. M. for Species									No. Diseased Trees	Cord Volume		Number of Snags, All Species				
		Ponderosa Pine			LP	D	WF	WL	ES	Total		LP	WJ	12"-20"	22"-30"	32"-40"	42"	Total
		Mature	Immature	Total														
8	100.00	11		11	4	23	2	36		2	78	134		80	33			113
9	534.00	1,129	278	1,407	13	1,380	9	527			3,336	11	30	271	289	105		665
10	20.00	35	7	42		67	3	1			113	7	5					
15	90.00	148	39	187	8	126	3	36			360		135	30	4	19		53
16	174.00	146	26	172	3	267	11	146			599		29	74	66			140
Comp't 16 Totals	1,799.48	1,682	398	2,080	135	2,707	338	1,413	122	6,795	252	781		1,703	687	230		2,620

TABLE NO. 7 (Continued)  
SUMMARY OF TIMBER ESTIMATES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
CAMAS BLOCK

Section & Township	Acreage N.F. Acres	M. Feet B. M. for Species									No. Diseased Trees	Cord Volume		Number of Snags, All Species				
		Ponderosa Pine			LP	D	WF	WL	ES	Total		LP	WJ	12"-30"	22"-30"	32"-40"	42"	Total
		Mature	Immature	Total														
<b>COMPARTMENT No. 17</b>																		
T. 4 S., R. 33 E. W.M.																		
2	106.00	103	93	196	9	188	36	26		455			75	26			101	
3	506.99	196	130	326	17	507	135	192	1	1,176	64	150	278	40			318	
4	319.62	221	20	241	87	450	151	284	56	1,269	36	330	1,021				1,021	
9	52.00	66	4	70		401		169	12	652			100	77	30		207	
10	620.00	523	150	673	58	643	57	515	60	2,006	33	378	531	38	38	9	616	
11	136.00	186	28	214	20	132	15	51		432			69	18			87	
15	304.00	160	44	204	3	205	3	79	2	496			22	50	15		87	
Comp't 17 Totals	2,047.61	1,455	469	1,924	194	2,526	395	1,316	131	6,486	133	1,472	2,096	249	83	9	2,437	
<b>COMPARTMENT No. 18</b>																		
T. 4 S. R. 33 E., W. M.																		
11	204.00		6	6	11	384	80	79	4	564	28	101	249		58	11	249	
13	557.00	760	88	848	83	802	386	632		2,751	97	186	433	90	20		592	
14	409.00	579	280	859	14	831	61	223		1,988	71		434	130			584	
24	536.00	2,267	165	2,432	89	1,602	955	1,288		6,366	82	233		92			92	
25	18.00					15		66		81		55	66				65	
Por. Twp. Totals	1,724.00	3,606	539	4,145	197	3,634	1,482	2,288	4	11,750	278	575	28	1,182	312	78	1,583	
T. 4 S., R. 33 ½ E., W. M.																		
14	504.00	702	159	861	55	948	13	255		2,132		425	172	130	41		343	
15	163.80	452	103	555	22	328	9	65		979		28	49	60	20	10	139	
22	187.88	468	267	736	6	363	17	172		1,293			166	227	20		413	
23	640.00	1,889	704	2,593	51	998	9	334		3,985	15		582	301	103	26	1,012	
24	95.00	315	166	481		73		24		578			35	30	13		78	
25	112.00	369	143	512	91			30		633			99	40	9	44	148	
26	460.00	1,837	461	2,298	33	163	25	450		2,969			287	308	59		698	
27	70.00	220	100	320	1	125	4	51		501			20	10	10		40	
Por. Twp. Totals	2,232.68	6,252	2,103	8,355	259	2,998	77	1,381		13,070	15	453	1,410	1,106	275	80	2,871	
Comp't 18 Totals	3,956.68	9,858	2,642	12,500	456	6,632	1,559	3,669	4	24,820	293	1,028	28	2,592	1,418	383	4,454	
<b>COMPARTMENT No. 19</b>																		
T. 4 S., R. 33 ½ E., W. M.																		
13	484.00	1,619	169	1,788	18	562	96	235		2,729	118	56	158	106	18		282	
14	100.00	44	3	47	14	64	4	59		188		411	11	20			31	
24	545.00	2,418	556	2,974	24	1,174	25	232		4,429	26	20	330	162	50		542	
25	527.00	1,912	494	2,406	86	418		292	71	3,273			303	239	61		603	
Por. Twp. Totals	1,656.00	5,993	1,222	7,215	142	2,218	125	848	71	10,619	144	487	802	527	129		1,458	
T. 4 S., R. 34 E., W. M.																		
19	314.68	707	713	1,420	25	129	40	150		2,065	17		158	119	43	14	334	
20	75.00	378	98	476	1	158		3		638			29	60			89	
28	106.00	612	117	729	14	298	39	53		1,133	30		124	3	1		128	
29	326.00	878	241	1,119	61	461	26	212		1,879	84		206	147	31		384	
30	472.48	2,134	588	2,722	20	739	52	331		3,864								
Por. Twp. Totals	1,294.16	4,709	1,757	6,466	121	2,085	157	749		9,578	131		517	329	75	14	935	
Comp't 19 Totals	2,950.16	10,702	2,979	13,681	263	4,303	282	1,597	71	20,197	275	487	1,319	856	204	14	2,393	
<b>COMPARTMENT No. 20</b>																		
T. 4 S., R. 34 E., W. M.																		
35	60.00	175	3	178	11					189			17	10			27	

TABLE NO. 7 (Continued)  
SUMMARY OF TIMBER ESTIMATES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
CAMAS BLOCK

Section & Township	Acreage N.F. Acres	M. Feet B. M. for Species									No. Dis-eased Trees	Cord Volume		Number of Snags All Species					
		Ponderosa Pine			LP	D	WF	WL	ES	Total		LP	WJ	12"-20"	22"-30"	32"-40"	42"	Total	
		Mature	Immature	Total															
T. 4 S., R. 34 E. W.M.																			
27	240.00	654	850	1,504	5	322	11	62		1,904	33			141	102	52		295	
28	326.00	916	471	1,387	20	485	22	98		2,012	47			327	76	16		419	
29	288.00	1,362	800	2,162	9	554	26	156		2,907	37			518	225	30	10	783	
30	172.00	1,160	212	1,372	5	607	5	68		2,057				89	50	25		164	
31	647.20	2,858	462	3,320	134	301	14	101		3,870	79			202	101		25	328	
32	640.00	2,423	1,522	3,945	52	683	10	309		4,999				115	115	58	9	182	
33	640.00	1,851	1,240	3,091	15	362	4	399		4,871				41	37	173	49	300	
34	520.00	2,139	1,530	3,669	14	158	33	227		5,101				233	258	69	19	579	
Por. Twp. Totals	3,473.20	13,363	7,087	20,450	254	3,472	125	1,420		27,721	196			1,551	964	423	112	3,050	
T. 5 S., R. 33 ½ E. W. M.																			
1	60.00																		
2	16.00	25	121	146						146				60	7			67	
Por. Twp. Totals	76.00	25	121	146						146				60	7			67	
T. 5 S., R. 34 E., W. M.																			
3	459.00	2,633	383	3,016	53	1,892	40	366		5,367	170			650	372	98	12	1,132	
4	620.80	2,542	840	3,382	23	910	24	408		4,747	33			146	252	109	37	544	
5	292.62	1,230	492	1,722	5	490	5	207		2,429					76			76	
6	288.46	1,151	243	1,394	26	259	20	216		1,915	9			154	44	81		279	
10	67.00	308	49	357	7	225	12	90		691	10			46	78			124	
Por. Twp. Totals	1,737.88	7,864	2,007	9,871	114	3,776	101	1,287		15,149	222			996	822	288	49	2,155	
Comp't 20 Totals	5,347.08	21,427	9,218	30,645	379	7,248	226	2,707		43,203	418			2,624	1,803	711	161	5,299	
T. 4 S., R. 33 ½ E., W. M.					<b>COMPARTMENT No.21</b>														
35	6.00																		
T. 5 S. R. 33 ½ E., W. M.																			
1	580.76	525	432	957	94	63		62		1,176		65		95	31	16		142	
2	166.00	82	112	194	6			1		201				121	30			151	
12	404.00	1,513	204	1,717	271	805	167	402	21	3,383	254	15		558	41	21		620	
13	288.00	779	277	1,056	63	1,459	346	263	24	3,211	283	21		893	62	32		687	
Por. Twp. Totals	1,438.76	2,899	1,025	3,924	434	2,327	513	728	45	7,971	537	65	36	1,667	164	69		1,900	
T. 5 S., R. 34 E., W. M.																			
4	20.00	36	9	45		4		3		52								15	
5	350.00	1,115	455	1,570	8	278	1	147		2,004				15	117	24		290	
6	360.00	1,794	179	1,973	49	197		207		2,426				149	256	55		1,293	

Section & Township	Acreage N.F. Acres	M. Feet B. M. for Species									No. Dis-eased Trees	Cord Volume		Number of Snags All Species				
		Ponderosa Pine			LP	D	WF	WL	ES	Total		LP	WJ	12"-20"	22"-30"	32"-40"	42"	Total
		Mature	Immature	Total														
7	603.34	1,738	151	1,889	32	953	245	790	48	3,957	218			982	76			75
8	360.00	960	290	1,250	3	500	6	343		2,102								
9	104.00	362	92	454	5					459								
18	217.56	247	20	267	8	413	432	320	7	1,467	234	8		421	153			574
Por. Twp. Totals	2,014.90	6,258	1,196	7,448	105	2,345	704	1,810	55	12,467	452	8		1,587	602	79		2,248
Comp't 21 Totals	3,459.66	9,151	2,221	11,372	539	4,678	1,217	2,538	100	20,438	989	65	44	3,234	766	148		4,148



TABLE NO. 7 (Continued)  
SUMMARY OF TIMBER ESTIMATES - JOHN DAY – GRANDE RONDE WORKING CIRCLE -CAMAS BLOCK

Section & Township	Acreage N.F. Acres	M. Feet B. M. For Species									No. Diseased Trees	Cord Volume		Number of Snags, All Species				
		Ponderosa Pine			LP	D	WF	WL	ES	Total		LP	WJ	12"-20"	22"-30"	32'40'	42'	Total
		Mature	Immature	Total														
<b>COMPARTMENT No. 22</b>																		
T. 5 S., R. 33 ½ E., W. M.																		
2	293.00	250	213	463	36	41	10	71		621		57		1,338			1,338	
3	45.58	7	76	83	2	10		20		115				175	32	11	218	
10	105.00	8	519	527	14	114	25	60		740	76			49	8		57	
11	542.00	856	279	1,135	28	429	385	408	196	2,581	412			619	78		697	
12	116.00	253	49	502	18	141	294	170	16	941	306			415	17	26	458	
13	352.00	1,302	543	1,845	73	919	238	427	130	3,623	84	1	110	258	172	29	459	
14	347.00	194	191	385	24	349	133	210	15	1,116	50		50	447	40	19	506	
Comp't 22 Totals	1,800.58	2,870	1,870	4,740	195	1,994	1,085	1,366	357	9,737	928	58	160	3,301	347	85	3,733	
<b>COMPARTMENT No. 23</b>																		
T. 4 S., R. 33 E., W. M.																		
24	64.00	713	41	754		245		11		1,010				26	13		39	
25	622.00	3,013	851	3,864	12	2,427	105	914		7,322		45		217	328	151	706	
26	166.00	976	199	1,175		517	16	186	148	2,042	68			79	91	78	277	
35	476.00	1,935	1,064	2,999	23	106		369		3,497		196		257	73	45	375	
Por. Twp. Totals	1,328.00	6,637	2,155	8,792	35	3,295	121	1,480	148	13,871	68	241		579	505	274	1,397	
T. 4 S., R. 33 ½ E., W. M.																		
25	1.00																	
26	180.00	1,344	166	1,510	4	2		54		1,570				70	100	31	201	
27	118.38	608	86	694	1	35		34		764				34	34	17	85	
34	187.90	1,048	394	1,442	2	100		54		1,598				20	10		30	
35	574.00	2,472	354	2,826	55			31		2,912		7		260	184	66	510	
36		No	Gov't.	Land														
Por. Twp. Totals	1,061.28	5,472	1,000	6,472	62	137		173		6,844		7		364	338	124	826	
T. 5 S., R. 33 E., W. M.																		
1	79.84	777	70	147						147								
T. 5 S., R. 33½ E., W. M.																		
2	86.36	259	165	424						424					20	10	30	
3	463.73																	
Por. Twp. Totals	133.09	259	165	424						424					20	10	30	
Comp't 23 Totals	2,602.21	12,445	3,390	15,835	97	3,432	121	1,653	148	21,286	68	248		943	863	408	2,253	
<b>COMPARTMENT No. 24</b>																		
T. 4 S., R. 33 E. W. M.																		
14	231.00	500	81	581		543	10	348		1,482	5			113	88	33	234	
15	224.00	269	107	376	6	509	27	202	6	1,126	19	57		117	57	11	185	
21	28.00	112	52	164		95		6		265				12			12	
22	640.00	1,445	154	1,599	52	1,573	94	897		4,215	21	59		1,678	69	27	1,783	
23	640.00	1,926	239	2,165	17	2,435	935	1,245	73	6,871	549			156	175		332	
24	40.00	73	5	78		33		4		115								
26	474.00	710	763	1,473	10	1,323	87	747		3,640	15	93	10	56	227	65	357	
27	357.00	1,210	401	1,611	8	1,002	37	612		3,270		36		176	193	10	379	
34	36.00	63	98	161	6	11		63		235					16		16	
35	84.00	167	130	297		15		208		525		1		54	9		63	
Comp't 24 Totals	2,754.00	6,475	2,030	8,505	99	7,539	1,190	4,333	79	21,745	609	245	11	2,362	835	146	3,361	

TABLE No. 7 (Continued)

## SUMMARY OF TIMBER ESTIMATES- JOHN DAY – GRANDE RONDE WORKING CIRCLE-CAMAS BLOCK

Section & Township	Acreage N.F. Acres	M. Feet B. M. For Species									No. Diseased Trees	Cord Volume		Number of Snags, All Species				
		Ponderosa Pine			LP	D	WF	WL	ES	Total		LP	WJ	12"-20"	22"-30"	32"-40"	42"	Total
		Mature	Immature	Total														
<b>COMPARTMENT No. 25</b>																		
T. 4 S., R. 33 E., W.M.																		
15	22.00	86	14	100		59		4		163			12				12	
20	104.00	271	43	314	1	122		78		515			10	5			15	
21	581.00	1,399	558	1,957	5	1,051	16	569	62	3,660			130	106			236	
28	542.00	1,640	71	1,711	2	496	16	159		2,384	9		412	29			441	
29	499.00	2,116	142	2,258	16	627	1	586	44	3,532	10		709	264	20	10	1,003	
30	22.00	223	45	268	3	125		264		660			11	13			24	
32	214.00	491	357	848	22	500		387		1,757			298	83	30		411	
33	17.00	104	42	146	1	25		15		188			4	4			8	
Comp't 25 totals	1,801.00	6,330	1,272	7,602	50	3,006	33	2,062	106	12,859	19		1,586	509	50	10	2,150	
<b>COMPARTMENT No. 26</b>																		
T. 4 S., R. 33 E., W.M.																		
5	80.00	13	8	21		31	69	21	64	206		48					71	
6	66.00	14	7	21		28	6	58	1	114		119	59	6	6		159	
7	210.00	278	213	491	4	212	9	83	2	801		82	120	29	10		362	
8	540.00	1,280	476	1,756	5	1,060	10	232	15	3,078	10	133	230	112	20		120	
9	54.00	146	13	159	1	43		68		271		9	80	30	10		162	
16	146.00	321	41	362	4	260	60	56		742	10	49	131	31			877	
17	640.00	2,635	898	3,533	5	1,230	73	721	105	5,667	22		380	309	188		78	
18	130.00	566	178	744	1	408		164	6	1,323	10		59		19		12	
19	44.00	126	17	143	1	63	3	82	10	302			3	3	6		362	
20	506.00	1,313	251	1,564		545	21	301	21	2,452			315	17	30			
21	12.00	48	7	55		11	1	1		68								
29	141.00	276	16	292	2	259		180		733			59	19			78	
30	192.00	494	71	565	4	257		119		945			113	98			211	
Comp't 26 Totals	2,761.00	7,510	2,196	9,706	27	4,407	253	2,086	224	16,702	52	440	1,549	654	289		2,492	
<b>COMPARTMENT No. 27</b>																		
T. 4 S., R. 33 E., W.M.																		
30	52.00				2	115		509	2	628			20	10			30	
31	609.44	1,448	521	1,969	17	1,041	8	919	12	3,966			630	407	10	10	1,057	
32	54.00	126	37	163		20				183				10			10	
Por. Twp. Totals	715.44	1,574	558	2,132	19	1,176	8	1,428	14	4,777			650	427	10	10	1,097	
T. 5 S., R. 33 E., W.M.																		
5	278.00	1,514	600	2,114	1	899	2	121		3,137			181	98	10	10	289	
8	154.00	444	49	493		1		4		498			38	23	8		69	
Por. Twp. Totals	432.00	1,958	649	2,607	1	900	2	125		3,635			219	121	18		358	
Comp't 27 Totals	1,147.44	3,532	1,207	4,739	20	2,076	10	1,553	14	8,412			869	548	28	10	1,455	

Section & Township	Acreage N.F. Acres	M. Feet B. M. For Species									No. Dis-eased Trees	Cord Volume		Number of Snags, All Species				
		Ponderosa Pine			LP	D	WF	WL	ES	Total		LP	WJ	12"-20"	22"-30"	32"-40"	42"	Total
		Mature	Immature	Total														
T. 4 S., R. 33 E., W.M.		<b>COMPARTMENT No. 28</b>																
30	30.00				2	55		410		467				16	8		24	
31	22.00																	
32	216.00	85	41	126	13	454	15	530	2	1,140	10		75	4			79	
33	30.00	2,121	729	2,850	17	218	4	340		3,429		12	246	158	10	20	434	
Por. Twp. Totals	298.00	2,206	770	2,976	32	727	19	1,280	2	5,036	10	12	321	178	18	20	537	
T. 5 S., R. 33 E., W.M.																		
4	297.00	849	227	1,076	11	663	4	937	3	2,694			256	122	33		411	
5	360.24	1,165	603	1,768	8	1,024	47	566		3,413	18		204	167			371	
8	166.00	598	328	926	2	330	58	175		1,491	30		173	169	69		474	
9	310.00	1,519	579	2,098	3	588	17	110		2,816	10		203	249	20	2		
Por. Twp. Totals	1,133.24	4,131	1,737	5,868	24	2,605	126	1,788	3	10,414	58		836	707	122	2	1,667	
Comp't 28 Totals	1,431.24	6,337	2,507	8,844	56	3,332	145	3,068	5	15,450	68	12	1,157	885	140	22	2,204	

TABLE No.7 (Continued)  
SUMMARY OF TIMBER ESTIMATES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
CAMAS BLOCK

Section & Township	Acreage N.F. Acres	M. Feet B. M. for Species									No. Diseased Trees	Cord Volume		Number of Snags, all Species				
		Ponderosa Pine			LP	D	WF	WL	ES	Total		LP	WF	12"-20"	22"-30"	32"-40"	42"	Total
		Mature	Immature	Total														
COMPARTMENT No. 29																		
T. 4 S., R. 33 E., W.M																		
21	19.00																	
27	283.00	1,151	287	1,438	3	1,039	1	202		2,683	9		73	52	10	135		
28	298.00	1,268	143	1,411	2	516		129		2,058			399	19	9	427		
32	156.00	715	242	957	4	56		165		1,192			150	91		241		
33	579.00	193	102	295	15			6		316	7			18		18		
34	352.00	9921	860	1,852	63	205		109		2,229			122	135	20	277		
Por. Twp. Totals	1,687.00	4,319	1,634	5,933	87	1,826	1	611		8,478	9	337	744	315	39	1,098		
COMPARTMENT No. 29																		
T. 5 S., R. 33 E., W. M.																		
4	20.00	17	16	33	1			59		93		14						
Por. Twp. Totals	200.00	17	16	33	1			59		93		14						
Comp't 29 Totals	1,707.00	4,336	1,650	5,986	88	1,826	1	670		8,571	9	351	744	315	39	1,098		
COMPARTMENT No. 30																		
T. 4 S., R. 33 E. W.M.																		
33	14.00	5	2	7	3													
34	12.00									10		15						
Por. Twp Totals	26.00	5	2	7	3					10		15						
COMPARTMENT No. 30																		
T. 5 S. R. 33 E. W. M.																		
2	120.00	98	135	233	36	5		213		487		204	20	10		36		
3	558.83	2,587	516	3,103	192	567		1,123		4,994	32		572	165	69	6		
4	320.66	974	496	1,470	7	206	2	523		2,208	10		141	121	10	272		
9	330.00	1,045	733	1,778	7	372	8	349		2,514	9		181	212	67	20		
10	410.00	3,415	526	3,941	2	867	21	523	2	5,356	44		311	106	57	474		
14	56.00	316	101	417		120	17	15		569			101	156	29	286		
15	440.00	975	207	1,182	10	295	109	368	1	1,965	43		518	320	21	859		
Por. Twp. Totals	2,235.49	9,410	2,714	12,124	254	2,432	166	3,114	3	18,093	138	204	1,844	1,090	253	26		
Comp't 30 Totals	2,261.49	9,415	2,716	12,131	257	2,432	166	3,114	3	18,103	138	219	1,844	1,090	253	26		
COMPARTMENT No. 31																		
T. 5 S., R.33 E. W.M.																		
1	280.00	740	333	1,073	65	244		671		2,053		114	35	16		12		
2	160.00	330	144	474	8	186		130		798			20	17		37		
11	182.00	648	424	1,072		456	40	73		1,641	10		71	57		128		
12	354.00	1,233	814	2,047	7	744	208	231	10	3,247	72	121	559	167	50	776		
13	426.00	590	227	817	25	1,078	811	645	26	3,402	697	44	1,041	684	150	1,895		
24	120.00	127	20	147	5	209	106	76	4	547	40		19	20		39		
Por. Twp. Totals	1,522.00	3,668	1,962	5,630	110	2,917	1,165	1,826	40	11,688	819	158	1,745	951	200	30		
COMPARTMENT No. 31																		
T. 5 S., R. 33 ½ E. W.M																		
10	76.56	186	266	452		32	35	47		566	46	3	18	12		30		
11	58.00	175	75	250		62	73	10		395	69		187	16	43	175		
14	293.00	249	325	574	2	573	200	222	1	1,572	157		323	132	20	475		
15	181.23	207	147	354	2	309	94	86		845	115		133	6	43	182		
Por. Twp. Totals	608.79	817	813	1,630	4	976	402	365	1	3,378	387	3	631	166	65	862		
Comp't 31 Totals	2,130.79	2,775	4,485	7,260	114	3,893	1,567	2,191	41	15,066	1,206	161	2,376	1,127	265	3,798		

TABLE NO. 7 (Continued)  
SUMMARY OF TIMBER ESTIMATES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
CAMAS BLOCK

Section & Township	Acreage N.F. Acres	M. Feet B. M. for Species									No. Dis-Eased Trees	Cord Volume		Number of Snags, all Species						
		Ponderosa Pine					LP	D	WF	WL		ES	Total	LP	WF	12"-20"	22"-30"	32"-40"	42"	Total
		Mature	Immature	Total																
T. 5 S., R. 33 E., W. M.		COMPARTMENT No. 32																		
10	230.00	1,796	255	2,051		716	32	380	2	3,181	10			160	167	113	10	450		
11	458.00	1,533	546	2,079		707	211	466	95	3,569	84			123	144	19		286		
12	6.00	31	42	75	11	15	1			89			8	3	3			6		
13	174.00	1,173	450	1,623		268	101	131		2,124		13	21	282	66	52		400		
14	584.00	2,043	604	2,647	1	1,096	805	657	204	5,425	577		9	915	704	153	42	1,814		
15	74.00	1,065	259	1,324	16	420	75	248		2,109	38		137	562	288	20		870		
23	62.00	2		2	42	64	104	21	1	192	104			47	38	9	9	103		
24	3358.00	744	180	924	8	584	576	542	48	2,682	503		149	287	466	26	11	790		
Comp't 32 Totals	1,926.00	8,387	2,336	10,723	78	3,870	1,905	2,445	350	19,371	1,316	13	324	2,379	1,876	392	72	4,719		
T. 5 S., R. 33 E., W. M.		COMPARTMENT No. 33																		
15	324.00	606	124	730	33	170	20	63		1,016	63			341	102	6		449		
21	294.00	616	210	1,126	16	220	5	447	19	1,833	11			219	158	22		399		
22	640.00	2,615	1,564	4,179	108	1,020	118	551		5,976	110	34		1,252	272	20		1,544		
25	290.00	1,633	540	2,175	4	299	303	209	5	2,993	46	120	25	653	516	144		1,313		
27	338.00	246	18	264	96	217	166	367	34	1,144	87	97		1,079	341	10	10	1,440		
28	45.00	12		12	37	76	19	44	11	199	10			49	4			53		
Comp't 33 Totals	1,735.00	6,028	2,456	8,484	294	2,008	631	1,681	89	13,161	327	251	25	3,593	1,393	202	10	5,198		
T. 5 S., R. 33 E., W.M.		COMPARTMENT No. 34																		
23	286.00	2,357	304	2,661	8	592	51	138	3	3,453	19	100	10	419	208	131	10	768		
24	182.00	1,835	293	2,123	1	385	58	25		2,597	123		62	88	145	34		267		
25	640.00	996	394	2,444	78	1,072	416	942	235	5,187	206	296	36	479	518	315	9	1,321		
26	566.00	1,793	256	1,252	78	830	571	1,098	15	3,844	320			1,270	278	154	45	1,747		
36	518.00		182	1,975	140	1,509	452	694	446	5,306	233	30		624	625	201	11	1,481		
Comp't 34 Totals	2,194.00	9,031	1,429	10,460	508	4,478	1,548	2,897	699	20,387	901	428	108	2,880	1,774	835	75	5,564		
T. 5 S., R. 33 E., W.M.		COMPARTMENT No. 35																		
26	74.00		6	6	22		3	28		59		195								
33	40.00	262	68	330	4			20		354					3	3		6		
34	450.00	2,800	840	3,640	134	347	15	713	13	4,862	15			455	274	104	3	836		
35	640.00	740	232	972	202	467	228	579	41	2,489	56			966	713	135		1,814		
36	122.00	376	26	402	10	322	55	59		848	110			145	43	21	6	216		
Comp't 35 Totals	1,326.00	4,178	1,172	5,350	372	1,136	301	1,399	54	8,612	181	195		1,567	1,033	263	9	2,872		
T. 5 S., R. 33 E., W.M.		COMPARTMENT No. 36																		
20	42.00	151	25	176		30		19		225						30		30		
21	146.00	248	256	504	9	209	14	185	9	930	48			212	69	15	10	306		
27	302.00	1,326	113	1,439	25	471	139	223		2,297	102			393	218	20	10	641		
28	563.00	2,484	227	2,711	82	381	10	650		3,834		98		625	367	160	10	1,162		
29	8.00																			
33	504.00	3,356	765	4,121	47	126	7	344		4,665	14			582	463	115	5	1,165		
34	190.00	1,458	302	1,760	23	252	33	83		2,151	45			167	227	89	9	492		
Comp't 36 Totals	1,755.00	9,023	1,688	10,711	186	1,469	203	1,524	9	14,102	209	98		1,979	1,344	429	44	3,796		

TABLE NO. 7 (Continued)  
SUMMARY OF TIMBER ESTIMATES JOHN DAY – GRANDE RONDE WORKING CIRCLE  
CAMAS BLOCK

Section & Township	Acreage N.F. Acres	M. Feet B.M. for Species									No. Dis-Eases Trees	Cord Volume		Number of Snags, all Species				
		Ponderosa Pine			LP	D	WF	WL	ES	Total		LP	WJ	12"-20"	22"-30"	32"-40"	42"	Total
		Mature	Immature	Total														
T. 5 S., R. 33 E., W. M.																		
COMPARTMENT No. 37																		
20	598.00	2,322	607	2,929	2	396	12	3,709		3,700	20			422	212	48		682
28	32.00	187	25	212		13		225		225				8				8
29	532.00	2,582	503	3,085		670	24	3,979		3,979	29			154	183	81	10	428
32	40.00	137	154	291	5	14		361		361				10				10
33	22.00	57	20	77		1		78		78					5	10		15
Comp't 37 Totals	1,224.00	5,285	1,309	6,594	5	1,094	36	8,352		8,352	49			594	400	139	10	1,143
T. 5 S., R. 33 E., W. M.																		
COMPARTMENT No. 38																		
29	100.00	372	107	479	1	53	36	42		611	32			31	31			62
32	600.00	1,753	810	2,563	4	849	95	319	28	3,858	11			239	284	85		608
33	74.00	437	148	585	5	5		45		640	5			137	97	42	5	281
Comp't 38 Totals	774.00	2,562	1,065	3,627	10	907	131	406	28	5,109	48			407	412	127	5	951
T. 5 S., R. 32 E., W. M.																		
COMPARTMENT No. 39																		
31	321.71	445	222	667		69		19		755				45	20			65
32	520.00	2,498	875	3,371	1	646	99	284		4,401	45			344	344	115	36	872
33	268.00	2,148	520	2,668	4	298	33	279		3,282	22			736	301	57		1,094
Por. Twp. Totals	1,109.71	5,091	1,615	6,706	5	1,013	132	582		8,438	67			1,125	698	172	36	2,031
T. 6 S., R. 32 E., W. M.																		
3	420.00	1,638	436	2,074	22	533	35	284	4	2,952	27			562	203	74		839
4	480.00	2,581	290	3,371	18	749	58	552		4,893	108			520	363	180	46	1,109
5	481.71	1,400	475	1,875		168	7	38		2,088				159	81			240
6	591.19	273	175	448		25				475				2				2
10	320.00	1,376	530	1,906	4	661	29	68		2,668		18		339	107	77	10	533
Por. Twp. Totals	2,292.90	7,268	2,506	9,774	44	2,181	129	942	4	13,074	135	18		1,582	745	331	56	2,723
Comp't 39 Totals	3,402.61	12,359	4,121	16,480	49	3,194	261	1,524	4	21,512	202	18		2,707	1,452	503	92	4,754
T. 5 S., R. 32 E., W. M.																		
COMPARTMENT No. 40																		
33	132.00	9		9		42	3	11		65				71	47			118
34	520.00	2,778	281	3,059	24	869	141	256		4,349	85			1,600	478	76	9	2,163
35	200.00	273		273	21	233	247	171	30	975	160			184	31			215
Por. Twp. Totals	852.00	3,060	281	3,341	45	1,144	391	438	30	5,389	245			1,855	556	76	9	2,496
T. 6 S., R. 32 E., W. M.																		
1	535.40	807	168	975	24	630	211	125	2	1,967	387			556	105	9		670
2	523.54	1,890	384	2,274	17	1,124	151	401	17	3,984	79			708	335	77		1,120
3	60.00	186	9	195		8		9		212					80			80
11	640.00	2,809	318	3,127	16	1,460	174	589		5,366	19			632	624	194	37	1,487

Section & Township	Acreage N.F. Acres	M. Feet B.M. for Species									No. Dis-Eases Trees	Cord Volume		Number of Snags, all Species					
		Ponderosa Pine			LP	D	WF	WL	ES	Total		LP	WJ	12"-20"	22"-30"	32"-40"	42"	Total	
		Mature	Immature	Total															
12	640.00	2,479	364	2,834	37	1,098	325	352	15	4,670	407			522	268	20		810	
Por. Twp. Totals	2,398.94	8,171	1,243	9,414	94	4,320	861	1,476	34	16,199	829			2,418	1,412	300	37	4,167	
Comp't 40 Totals	3,250.94	11,231	1,524	12,755	139	5,464	1,252	1,914	64	21,588	1,137			4,273	1,968	376	46	6,663	
						Camas Block Totals													
40 Compartments	73,003.70	237,142	74,728	311,870	5,087	115,237	19,630	62,845	3,803	518,472	12,658	8,442	1,165	61,529	29,225	7,668	825	99,247	

TABLE No. 8  
SUMMARY OF TIMBER ESTIMATES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
PILOT ROCK BLOCK

Section & Township	Acreage N.F. Acres	M. Feet B. M. For Species									No. Dis-eased Trees	Cord Volume		No. of Snags, All Species				
		Ponderosa Pine										LP	WJ	12"-20"	22"-30"	32"-40"	42"	Total
		Mature	Immature	Total	LP	D	WF	WL	ES	Total								
T. 3 S. R. 32 E., W. M.																		
25	484.00	1,066	44	1,110	31	1,952	308	858	3	4,262			342	416	159	10	927	
26	306.00	113	54	167	22	633	42	165	11	1,040	10	105	73	53	10		136	
27	75.00	51	12	63	9	533		278	7	890								
32	430.16	866	234	1,100		1,540	565	168	3	3,376	355	24	614	213			827	
33	310.00	653	268	921	2	1,264	613	270	4	3,074	336	25	332	192	8		532	
34	16.00					25		59		84			6	18			24	
Por. Twp. Totals	1,641.16	2,749	612	3,361	64	5,947	1,528	1,798	28	12,726	721	154	1,367	892	177	10	2,446	
T. 3 S., R. 33 E., W. M.																		
29	13.00																	
30	252.00	269	145	414	11	285	105	160	35	1,010	11		463	265	9		737	
31	82.00	114	121	235	10	118	47	96	14	520	62		223	80	106		409	
32	18.00	36	25	61	25	33	30	52	6	207			89				89	
Por. Twp. Totals	365.00	419	291	710	46	436	182	308	55	1,737	73		775	345	115		1,235	
T. 4 S., R. 32 E. W. M.																		
5	128.89	117	49	166		379	130	121	104	900	97		137	65	18		220	
Block Totals	2,135.05	3,285	932	4,237	110	6,762	1,840	2,227	187	15,363	891	154	2,279	1,302	310	10	3,901	



TABLE NO. 9  
SUMMARY OF TIMBER ESTIMATES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
STARKEY BLOCK

Section & Township	Acreage N.F. Acres	M. Feet B. M. for Species									No. Dis-Eased Trees	Cord Volume		No. of Snags, all Species				
		Ponderosa Pine			LP	D	WF	WL	ES	Total		LP	WJ	12"-20"	22"-30"	32"-40"	42"	Total
		Mature	Immature	Total														
COMPARTMENT No. 8																		
T. 4 S. R. 33 E., W. M.																		
1	638.98	889	463	1,352	49	620	12	392		2,425		218		176	68	41		285
2	531.84	242	225	467	82	364	2	298		1,213		348		175	56			231
3	128.00	66	271	937	82	989	126	336	70	2,540	37	66		408	40	11		459
11	300.00	211	64	275	18	425	25	293	9	1,045		122		237	77			314
12	640.00	340	82	422	18	813	18	382		1,653	10	158		637	44			681
13	83.00	16		16	2	54	31	117		220	20	153		112	33			145
Por. Twp. Totals	2,321.82	2,364	1,105	3,469	251	3,265	214	1,818	79	9,096	67	1,065		1,745	318	52		2,115
COMPARTMENT No. 8																		
T. 4 S. R. 33 ½ E., W. M.																		
2	548.68	448	206	654	9	956	30	228	9	1,886		280		375	31	21		427
3	167.93	362	69	431	1	282	44	30		788	14	19		108	10			118
10	188.32	260	41	301	3	72	3	113		492		52			42	17		59
11	640.00	698	207	905	14	743	7	209		1,878		427		172	70			242
12	140.00	191	54	245	32	273		30		580	10			70	10			80
14	36.00	4	4	8	2		2	2		14		17						
15	24.00		2	2	1	11		19		33		23		5				5
Por. Twp. Totals	1,744.93	1,963	2,546	583	62	2,337	86	631	9	5,671	24	758		730	163	38		931
Comp't 8 Totals	4,066.75	4,327	6,015	1,688	313	5,602	300	2,449	88	14,767	91	1,825		2,475	481	90		3,046
COMPARTMENT No. 9																		
T. 4 S. R. 33 ½ E., W. M.																		
1	547.20	941	333	1,274	29	1,065	137	316		2,821		190		576	176	16	16	784
12	500.00	734	113	847	68	1,227	24	399		2,565	83	10		332	50	10		382
13	66.00	9	1	10	2	20		35		67		62		16	11			27
Por. Twp. Totals	1,113.20	1,684	447	2,131	99	2,312	161	750		5,453	83	252	10	924	237	26	16	1,203
COMPARTMENT No. 10																		
T. 4 S. R. 34 E., W. M.																		
5	473.36	473	567	1,040	6	679	141	406	14	2,286				690	277	22		989
6	546.10	1,231	1,159	2,390	68	907	207	421	52	4,045	195			909	404	174	7	1,494
7	582.81	902	1,462	2,364	167	1,256	117	443		4,347	191	98		711	322	69	41	1,143
8	180.00	205	274	479	1	241	8	36	4	789	10			174	63	11		248
18	9.00		3	3	2	33		17		55	7			34	10			44
Por. Twp. Totals	1,791.27	2,811	3,465	6,276	244	3,116	473	1,323	70	11,502	403	98		2,518	1,076	276	48	3,918
Comp't 9 Totals	2,904.47	4,495	3,912	8,407	343	5,428	634	2,073	70	16,955	486	350		3,442	1,313	302	64	5,121
COMPARTMENT No. 10																		
T. 4 S. R. 33 ½ E., W. M.																		
13	90.00	68	6	74	4	104	20	75		277	39	14	10	57	22	5		84

TABLE NO. 9 (Continued)  
SUMMARY OF TIMBER ESTIMATES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
STARKEY BLOCK

Section & Township	Acreage N.F. Acres	M. Feet B. M. for Species									No. Diseased Trees	Cord Volume		No. of Snags, All Species				
		Ponderosa Pine			LP	D	WF	WL	ES	Total		LP	WJ	12"-20"	22"-30"	32"-40"	42"	Total
		Mature	Immature	Total														
T. 4 S., R. 34 E., W. M.																		
4	538.75	681	1,058	1,739		565	99	412	9	2,824	38			573	268	27		868
5	69.00	89	131	220	4	79	3	18		324			69	25	2			96
7	60.00	3	46	49	24	6		37		116		31		32	16			32
8	460.00	971	1,175	2,146	23	529	137	113		2,948	75		470	302	16	18		788
9	514.00	579	996	1,575	6	745	129	393		2,848	26		606	221	41			861
16	320.00	825	613	1,438	1	685	38	494	13	2,669	11		427	293	152	20		761
17	640.00	1,381	1,283	2,664	12	831	7	441	1	3,956			327	571	40			1,070
18	635.41	1,092	967	2,059	195	827	156	503		3,740	255	71	749	239	16	12		1,028
19	329.00	330	279	609	56	238	15	142		1,060	45		98	44	93			170
20	565.00	1,778	464	2,242	9	940	44	392		3,627	31		385	489	63			967
21	640.00	1,379	668	2,047	12	890	53	525	4	3,531	20		718	499	10			1,280
22	172.00	437	129	566	12	272	39	175		1,064	39		151	143	10			304
27	124.00	281	409	690	17	357	80	148		1,277	51		196	107	22	10		313
28	208.00	1,895	386	2,280		671	101	143		3,212	57		623	224				879
29	26.00	68	32	100		33		2		135	5		33	5				38
Por. Twp. Totals	5,301.16	11,789	8,635	20,424	373	7,668	901	3,938	27	33,331	653	102	5,425	3,462	508	60		9,455
Comp't 10 Totals		11,857	8,641	20,498	377	7,772	921	4,013	27	33,608	692	116	5,482	3,484	513	60		9,539
T. 4 S., R. 34 E., W. M. COMPARTMENT No. 11 (incomplete)																		
4	4.00	6	10	16		2				18			3	1	1			5
9	126.00	198	213	411		146	4	64		625	10		133	71	6			210
22	88.00	1,104	109	1,213		298		217		1,728			130	188	9			327
23	190.00	1,177	360	1,537	15	247	24	273		2,096			91	122	51			264
26	280.00	1,956	212	2,168		543	11	435		3,157			203	186	15			404
27	279.00	1,768	258	2,026	39	837	23	189		3,114	171		415	186	32			633
Comp't 11 Totals	1,043.00	6,209	1,162	7,371	54	2,073	62	1,178		10,738	181		975	754	114			1,843
T. 4 S. R. 34 E., W. M. COMPARTMENT No. 12 (incomplete)																		
24	43.00	256	87	343	2	43	1	25		414	30		60	50	10			120
25	40.00	208	37	245		49	1	24		319			19	29	29	10		87
26	360.00	1,781	536	2,317		459	4	344		3,124			383	171	28			582
34	120.00	2,536	502	3,038	5	1,286	89	653	32	5,103	76		356	347	104	44		851
35	480.00																	
Por. Twp. Totals	1,043.00	4,781	1,162	5,943	7	1,837	95	1,046	32	8,960	106		818	597	171	54		1,640
T. 5 S., R. 34 E., W. M.																		
1	639.62	1,633	509	2,142	42	1,081	209	758	14	4,246	261		395	215	21			631
2	639.29	1,988	858	2,846	22	1,357	46	375	1	4,647	9	134	317	140	42			499
3	170.68	460	77	537	7	546	7	214		1,311	20		259	138	38			435
10	143.00	499	67	566	26	715	4	152	2	1,465			208	124	22			354
11	260.00	302	146	448	27	291	1	289	19	1,075		268	359	130	10			499
12	544.00	667	368	1,035	83	1,181	1	439	32	2,771	31	77	267	44	8			319
Por. Twp. Totals	2,396.59	5,549	2,025	7,574	207	5,171	268	2,227	68	15,515	321	479	1,805	791	141			2,737

TABLE NO. 9 (Continued)  
SUMMARY OF TIMBER ESTIMATES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
STARKEY BLOCK

Section & Township	Acreage N.F. Acres	M. Feet B. M. for Species									No. Dis-eased Trees	Cord Volume		No. of Snags, All Species					
		Ponderosa Pine			LP	D	WF	WL	ES	Total		LP	WJ	12"-20"	22"-30"	32"-40"	42"	Total	
		Mature	Immature	Total															
T. 5 S., R. 35 E., W.M.																			
7	77.09		47	47	27	1				75		192							
Comp't 12 Totals	3,516.68	10,330	3,234	13,564	241	7,009	363	3,273	100	24,550	427	479	192	2,623	1,388	312	54	4,377	
T. 5 S., R. 34 E., W. M.					COMPARTMENT No. 13(incomplete)														
9	456.00	1,425	456	1,881	34	611	5	186		2,717					29	101	19	149	
10	430.00	2,204	217	2,421	21	967	3	379		3,791			167	188	106			461	
11	380.00	1,576	485	2,061	6	657	7	307		3,038		534	314	82	11			407	
12	96.00	141	176	317	15	131	8	145		616			27	42	10			79	
13	560.00	5,342	1,070	6,412	7	1,200	10	220		7,849	22		149	263	106			518	
14	360.00	2,817	1,026	3,843	15	432	82	64		4,436		26	53	157	94			304	
15	160.00	435	112	547	2		1	34		584	12								
Por. Twp. Totals	2,442.00	13,940	3,542	17,482	100	3,998	116	1,335		23,031	34	534	26	710	761	428	19	1,918	
T. 5 S., R. 35 E., W. M.																			
7	40.00				14	1				15			143						
18	118.94	159	32	191	108					299			431	42		9		51	
Por. Twp. Totals	158.94	159	32	191	122	1				314		534	574	42		9		51	
Comp't 13 Totals	2,620.94	14,099	3,574	17,673	122	3,999	116	1,333		23,345	34		600	752	761	437	19	1,969	
T. 5 S., R. 34 E., W. M.					COMPARTMENT No 14 (incomplete)														
7	40.00	11		11	1	50	16	154	1	233	20			50	31			81	
8	240.00	575	190	763	7	299	25	151		1,245				21	22			43	
18	106.00	76	25	99	9	99	45	64		316	36		5	87	12			99	
Comp't 14 Totals	386.00	660	213	873	17	448	86	369	1	1,794	56		5	137	64	22		223	
					Starkey Block Totals														
7 Compartments	19,830.00	51,977	22,424	74,401	1,567	32,331	2,482	14,690	286	125,757	1,967	3,302	807	15,886	8,245	1,790	197	26,118	
					Project Totals														
3 Blocks	94,968.75	292,404	98,104	390,508	6,764	154,350	23,952	79,762	4,276	659,592	15,516	11,898	1,970	79,694	38,772	9,768	1,032	129,266	

TABLE NO. 10  
SUMMARY OF NUMBER OF POLES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
CAMAS BLOCK

Section Number & Township	Ponderosa Pine						Lodgepole Pine		Douglas Fir		White Fir		Western Larch		Engelmann Spruce		Total All Species	
	Mature		Immature		Total		4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"
	4"7"	8"11"	4"-7"	8"-11"	4"-7"	8"-11"												
T. 4 S. R. 32 E., W. M.	COMPARTMENT No. 1																	
6		10	1,704	1,046	1,704	1,056	808		1,130	697			260	160			3,902	1,913
7	30	40	3,550	460	3,580	500	900		1,300	600			1,100	100			6,880	1,200
Comp't Totals	30	50	5,254	1,506	5,284	1,556	1,708		2,430	1,297			1,360	260			10,782	3,113
T. 4 S. R. 32 E., W. M.	COMPARTMENT No. 2																	
4			645	37	645	37	2,370	297	120	65	532	255	97	142	405	15	4,169	811
5	49	203	1,086	614	1,135	817	2,891	418	2,655	1,887	7,306	3,629	738	1,184	386	330	1,511	8,265
6			1,638	819	1,638	819	590	160	3,276	1,889			814	489			6,318	3,357
7			1,361	246	1,361	246	772		4,676	2,101	659	392					7,468	2,739
8			4,788	1,152	4,788	1,152	454	88	2,126	1,210			1,408	580			8,776	3,030
Comp't 2 Totals	49	203	9,518	2,868	9,567	3,071	7,077	963	12,853	7,152	8,497	4,276	3,057	2,395	791	345	41,842	18,202
T. 4 S. R. 32 E., W. M.	COMPARTMENT No. 3																	
4	7	11	331	59	338	70	831	26	422	268	76	50	47	66	93	20	1,807	500
5							1,841	57		7							1,841	64
8			4,724	1,680	4,724	1,680			3,161	1,307			1,231	599			9,116	3,586
9		64	3,725	710	3,725	774	70		149	163	708	320	196	83			4,848	1,340
17			3,534	978	3,534	978	320		1,536	428			80	82			5,470	1,488
Comp't 3 Totals	7	75	12,314	3,427	12,321	3,502	3,062	83	5,268	2,173	784	370	1,554	830	93	20	23,082	6,978
T. 4 S. R. 32 E., W. M.	COMPARTMENT No. 4																	
21	10	29	6,870	774	6,880	803			63	20	30	10		18			6,973	851
T. 4 S. R. 32 E., W. M.	COMPARTMENT No. 5																	
21	10		932	185	992	185	388	76	489	256	1,089	208	301	289		50	3,259	1,064
22	37		165	6	202	6	1,372	123	684	134	923	189	533	171	21		3,735	623
Comp't 5 Totals	47		1,147	191	1,194	191	1,760	199	1,173	390	2,012	397	834	460	21	50	6,994	1,687
T. 4 S. R. 32 E., W. M.	COMPARTMENT No.6																	
10	8	30	1,313	145	1,321	175	216	60	343	144	478	278	134	141	40	90	2,532	888
15	32	129	1,096	900	1,128	1,029	143		549	466	294	288	340	1,891		13	2,454	3,687
22			686	148	686	148			203	90	255	90	30	20			1,174	348
Comp't 6 Totals	40	159	3,095	1,193	3,135	1,352	359	60	1,095	700	1,027	656	504	2,052	40	103	6,160	4,923
T. 3 S. R. 32 E., W. M.	COMPARTMENT No.7																	
27			1,105	323	1,105	323	1,425	1,045			95		76				2,701	1,368
33	116	189	2,005	685	2,121	874	89	63	924	1,175	1,718	1,341	187	149	498	324	5,537	3,926
34			15,667	6,735	15,667	6,735	3,869	1,104	2,423	1,154	684	124	2,534	1,319			25,177	10,436
35			400		400		1,008	305			742	424	424	424	74	28	2,648	1,181
Por. Twp. Totals	116	189	19,177	7,774	19,293	7,932	6,391	2,517	3,347	2,329	3,239	1,889	3,221	1,892	574	352	36,063	16,911
T. 4 S. R. 32 E., W. M.	COMPARTMENT No.8																	
2		8	131	167	131	175	292	58	154	160	81	71	398	266			1,056	730
3	10	63	3,113	249	3,123	312	8,635	1,651	1,574	584	4,304	1,424	640	684	2,618	1,052	20,894	5,707
4	29	116	1,915	1,017	1,944	1,133	3,797	485	2,638	2,656	3,852	1,773	749	1,120	1,171	759	14,151	7,926

Section Number & Township	Ponderosa Pine						Lodgepole Pine		Douglas Fir		White Fir		Western Larch		Engelmann Spruce		Total All Species	
	Mature		Immature		Total		4"-7"	8"11"	4"-7"	8"11"	4"-7"	8"11"	4"-7"	8"11"	4"-7"	8"-11"	4"-7"	8"-11"
	4"7"	8"11"	4"-7"	8"-11"	4"-7"	8"-11"												
9	10	31	379	120	389	151	282	100	584	339	2,297	1,112	172	59	387	10	4,111	1,771
10	39	81	6,069	743	6,108	824	3,229	361	1,369	673	3,847	1,352	1,180	498	492	423	16,225	4,131
11			1,018	77	1,018	77	220	37	103	88	257	55	37	37			1,635	294
Por. Twp. Totals	88	299	12,625	2,373	12,713	2,672	16,455	2,692	6,422	4,500	14,638	5,787	3,176	2,664	4,668	2,244	58,072	20,559
Comp't 7 Totals	204	488	31,802	10,116	32,006	10,604	22,846	5,209	9,769	6,829	17,877	7,676	6,397	4,556	5,240	2,596	94,135	37,470

TABLE NO. 10 (Continued)  
SUMMARY OF NUMBER OF POLES  
JOHN DAY - GRANDE RONDE WORKING CIRCLE  
CAMAS BLOCK

Section & Township	Ponderosa Pine						Lodgepole Pine		Douglas Fir		White Fir		Western Larch		Engelmann Spruce		Total All species		
	Mature		Immature		Total		4"7"	8"-11"	4"7"	8"-11"	4"7"	8"11"	4"7"	8"11"	4"7"	8"11"	4"7"	8"-11"	
	4"-7"	8"-11"	4"-7"	8"-11"	4"7"	8"-11"													
T. 3 S., R. 32 E., W. M.	COMPARTMENT No. 8																		
25			343	34	343	34	2,077	694	670	188								3,090	916
26	6	96	1,247	758	1,253	854	15,577	5,678	6,066	195	15	42	415	369				23,326	7,141
35			518	181	518	181	4,847	3,133	20	7	14		531	300	126	11		6,056	3,632
36			895	724	895	724	5,168	4,254	455	179	101	14	1,029	1,016	378	275		8,026	6,462
Por. Twp. Totals	6	96	3,003	1,697	3,009	1,793	27,669	13,759	7,211	569	130	59	1,975	1,685	504	286		40,498	18,151
T. 4 S. R. 32 E. W. M.	COMPARTMENT No. 9																		
1			120	200	120	200	960	200					150	130				1,230	590
Comp't 8 Totals	6	96	3,123	1,897	3,129	1,993	28,629	13,959	7,211	629	130	59	2,125	1,815	504	286		41,728	18,741
T. 3 S., R. 32 E., W. M.	COMPARTMENT No. 9																		
35			883	285	883	285	452	652	396	293	18	18						1,749	1,248
T. 4 S. R. 32 E. W. M.	COMPARTMENT No. 10																		
1			899	472	899	472	1,471	1,050	452	702	35	53	226	305	62	36		3,145	2,618
2	27	59	975	551	1,002	610	2,676	1,160	322	617		26	231	759				4,231	3,172
11	8		1,065	129	1,073	129	511	64	195	85	166	26	64	128				2,009	432
12		10	909	463	909	473	1,988	3,132	625	673	234	141	350	382	53	64		4,159	4,865
13									130	60	70	30	100	80	10	20		310	190
Por. Twp. Totals	35	69	3,848	1,615	3,883	1,684	6,646	5,406	1,724	2,137	505	276	971	1,654	125	120		13,854	11,277
T. 4 S. R. 33 E. W. M.	COMPARTMENT No. 11																		
7			29	29	29	29			10	10								39	39
18			532	28	532	28	949	78	137	102	349	15	140	58	204	68		2,311	349
Por. Twp. Totals			561	57	561	57	949	78	147	112	349	15	140	58	204	68		2,350	388
Comp't 9 Totals	35	69	5,292	1,957	5,327	2,026	8,047	6,136	2,267	2,542	872	309	1,111	1,712	329	188		17,953	12,913
T. 4 S. R. 32 E. W. M.	COMPARTMENT No. 10																		
10		31	1,699	85	1,699	116	38	33	196	112	224	108	27	16				2,184	385
11		98	13,305	1,232	13,305	1,330	4,784	382	2,695	982	3,426	726	650	338				24,860	3,758
12			290	140	290	140	80	60	80	90	80	60	60	90				590	440
13							90	90	72	108	18	18						180	216
14		116	656	698	665	814	1,370	563	435	547	302	231	234	340				3,006	2,495
15	44	101	576	721	620	822	147	38	287	159	241	182	204	226				1,499	1,427
22		45	2,569	1,096	2,569	1,141	407		1,249	532	719	219	1,487	491	21			6,452	2,383
23		21	367	338	367	359	368	11	395	219	483	346	469	245				2,072	1,180
Comp't 10 Totals	44	412	19,471	4,310	19,515	4,722	7,274	1,177	5,409	2,749	5,493	1,890	3,131	1,746	21			40,843	12,284
T. 4 S. R. 32 E. W. M.	COMPARTMENT No. 11																		
23	10	39	427	387	437	426			79	92	25	28						541	546
24			729	450	729	450			91	55								820	505

Section & Township	Ponderosa Pine						Lodgepole Pine	Douglas Fir	White Fir	Western Larch	Engelmann Spruce	Total All species				
	Mature		Immature		Total							4"7"	8"-11"	4"7"	8"11"	4"7"
	4"-7"	8"-11"	4"-7"	8"-11"	4"7"	8"-11"										
25							200	280	80	130	100	80			380	570
26		44	44	49	44	93	240	145	52	132	245	200	53	118	634	688
Comp't 11 Totals	10	83	1,200	886	1,210	969	440	425	302	409	370	308	53	198	2,375	2,309
T. 4 S. R. 32 E. W. M.						COMPARTMENT No.12										
25			722	412	722	412	130		100	81	20	20	40	10	1,012	523
26			110	79	110	79									110	79
Comp't 12 Totals			832	491	832	491	130		100	81	20	20	40	10	1,122	602

TABLE NO. 10 (Continued)  
SUMMARY OF NUMBER OF POLES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE - CAMAS BLOCK

Section & Township	Ponderosa Pine						Lodgepole Pine		Douglas Fir		White Fir		Western Larch		Engelmann Spruce		Total All Species			
	Mature		Immature		Total		4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"		
	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"		
T. 4 S., R. 32 E., W. M.																			COMPARTMENT No. 13	
12			475	174	475	174	20	86	266	349	170	210	176	261			1,107	1,080		
13			2,131	566	2,131	566	776	431	1,273	350	1,100	594	623	594			5,903	2,535		
24		10	920	310	920	320	280	180	960	290	440	180	340	150	70	100	3,010	1,220		
25			100	80	100	80	230	150	130	90	170	60	120	60		20	730	460		
Por. Twp. Totals			10	3,626	1,130	3,626	1,140	1,306	847	2,629	1,079	1,880	1,044	1,259	1,065	70	120	10,770	5,295	
T. 4 S., 33 E., W. M.																				
18			650	130	650	130		7	140		86	40		46			876	223		
19	44	93	6,259	1,366	6,303	1,459	619	40	1,108	275	572	372	311	269	338	121	9,251	2,536		
30			1,467	874	1,467	874	333	60	352	252		49	311	104	40	47	2,503	1,386		
31			27	13	27	13			13								40	26		
Por. Twp. Totals		44	93	8,403	2,383	8,447	2,476	952	107	1,613	540	658	461	622	419	378	168	12,670	4,171	
Comp't 13 Totals		44	103	12,029	3,513	12,073	3,616	2,258	954	4,242	1,619	2,538	1,505	1,881	1,484	448	288	23,440	9,466	
T. 4 S., R. 33 E., W. M.																			COMPARTMENT No. 14	
18			6,182	1,641	6,182	1,641	1,544	106	4,181	1,018	267	38	1,229	978	807	441	14,210	4,222		
19	30	42	1,841	775	1,871	817	2,261	145	1,727	721	76	73	468	339	367	16	6,770	2,111		
20									6	6			12	24			18	30		
30				17		17	116	116	17	58			25	25			158	233		
Comp't 14 Totals		30	42	8,023	2,433	8,053	2,475	3,921	367	5,931	1,803	343	128	1,734	1,366	1,174	457	21,156	6,596	
T. 3 S., R. 32 E., W. M.																			COMPARTMENT No. 15	
25			27	22	27	22			53	18							80	40		
36			1,182	199	1,182	199	980	806	320	253	253	97	209	58			2,944	1,413		
Por. Twp. Totals			1,209	221	1,209	221	980	806	373	271	253	97	209	58			3,024	1,453		
T. 3 S., R. 33 E., W. M.																				
30			602	234	602	234	32	85	138	74	42		42	11			856	404		
31		8	1,372	526	1,372	534	4,674	2,724	1,405	585	935	314	351	365	409	209	9,146	4,731		
Por. Twp. Totals		8	1,974	760	1,974	768	4,706	2,809	1,543	659	977	314	393	376	409	209	10,002	5,135		
T. 4 S., R. 33 E., W. M.																				
1			150	60	150	60	410	420	450	170	200	80	260	240			1,470	970		
12				97		97			80	100	30	70		40			110	307		
Por. Twp. Totals			150	157	150	157	410	420	530	270	230	150	260	280			1,580	1,277		
T. 4 S., R. 33 E., W. M.																				
6	9	75	3,485	641	3,494	716	11,997	3,633	2,381	1,254	3,453	1,370	2,762	1,857	552	43	24,639	9,303		
7	10	86	1,654	791	1,664	377	725	175	3,161	1,657	563	192	422	275	100	60	6,635	3,236		
Por. Twp. Totals		19	161	5,139	1,432	5,158	1,593	12,722	3,808	5,342	2,911	4,016	1,562	3,184	2,132	652	533	31,274	12,539	
Comp't 15 Totals		19	169	8,472	2,570	8,491	2,739	18,818	7,988	7,988	4,111	5,476	2,123	4,046	2,846	1,061	742	45,880	20,404	
T. 4 S., R. 33 E., W. M.																			COMPARTMENT No. 16	
4							4,980	2,942	273	427	817	417	1,139	2,025			7,209	5,811		
5		30	37	39	37	69	20,493	6,891	481	521	2,988	1,392	4,393	2,254	2,587	1,852	30,979	12,979		
8	11	11	206	22	277	33	2,666	936	79	59	9	11	132	122	62	30	3,225	1,191		
9			165	253	165	253	7,518	1,083	1,290	580	50	10	949	920			9,972	2,846		
10			50	30	50	30			170	40			100	110			320	180		



Section & Township	Ponderosa Pine						Lodgepole Pine		Douglas Fir		White Fir		Western Larch		Engelmann Spruce		Total All Species	
	Mature		Immature		Total		4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"
	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"												
15	33	38	308	133	341	171	6,873	1,100	213	110		15	568	222			7,995	1,618
16	4	35	181	60	185	95	10,281	652	465	157	43	932	295				12,020	1,242
Comp't 16 Totals	48	114	1,007	537	1,055	651	52,811	13,604	2,971	1,894	4,021	1,888	8,213	5,948	2,649	1,882	71,720	25,867

TABLE NO. 10 (Continued)  
SUMMARY OF NUMBER OF POLES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
CAMAS BLOCK

Section & Township	Ponderosa Pine						Lodgepole Pine		Douglas Fir		White Fir		Western Larch		Englemann Spruce		Total All Species	
	Mature		Immature		Total		4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"
	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"												
T. 4 S., R. 33 E., W. M.	COMPARTMENT No. 17																	
2			150	46	150	46	848	337	204	205	37		93	93			1,332	681
3			1,547	475	1,547	475	7,716	5,295	1,012	1,247	420	482	1,041	1,183	1,925	955	13,661	9,637
4			42	63	42	63	8,256	5,469	799	544	373	392	883	1,628	478	709	10,831	8,805
9							1,275	300	700	555			450	325			2,425	1,180
10			806	176	806	176	6,827	5,638	807	871	375	449	676	614	386	661	9,877	8,409
11			32	12	32	12	1,179	1,424		34	34	44	117	100			1,362	1,614
15	3	20	410	299	413	319	13,419	2,663	430	202			418	383			14,680	3,567
Comp't 17 Totals	3	20	2,987	1,071	2,990	1,091	39,520	21,126	3,952	3,658	1,239	1,367	3,678	4,326	2,789	2,325	54,168	33,893
T. 4 S., R. 33 E., W. M.	COMPARTMENT No. 18																	
11							1,609	476	104	374	86	194	114	223		36	1,913	1,303
13	24	11	928	233	955	244	11,601	2,375	1,048	756	1,773	733	1,347	875			16,724	4,983
14	7	30	349	279	336	309	1,503	664	1,023	975	155	141	703	794			3,740	2,885
24			3,445	1,453	3,445	1,453	15,443	4,124	2,125	1,373	2,586	2,003	4,049	3,738			27,648	12,691
25							1,430	330		220	297		220	220			1,870	847
Por. Twp. Totals	54	41	4,722	1,965	4,756	2,006	31,586	7,969	4,520	3,775	4,600	3,071	6,433	5,850		36	51,895	22,707
T. 4 S., R. 33 ½ E., W. M.																		
14	8	14	455	250	463	264	14,975	3,658	1,207	886	606	255	2,435	618			19,686	5,681
15	10		246	200	256	200	926	632	852	383	19		77	58			2,130	1,273
22	20	10	369	449	389	459	2,242	688	416	461	30	10	476	432			3,553	2,050
23	9	17	1,683	1,443	1,692	1,460	4,608	1,676	124	1,172	286	50	530	372			7,240	4,730
24			121	102	121	102			65	46			9				195	148
25	10	44	21	236	31	280	800	620									831	900
26		9	1,136	775	1,136	784	7,822	2,345	639	371	220	50	337	355			10,154	3,905
27		20	1,610	310	1,610	330	60	70	230	210	80	50	50	30			2,030	690
Por. Twp. Totals	57	114	5,641	3,765	5,698	3,879	31,433	9,689	3,533	3,529	1,241	415	3,914	1,865			45,819	19,377
Comp't 18 Totals		155	10,363	5,730	10,454	5,885	63,019	17,658	8,053	7,304	5,841	3,486	10,347	7,715		36	97,714	42,084

Section & Township	Ponderosa Pine						Lodgepole Pine		Douglas Fir		White Fir		Western Larch		Englemann Spruce		Total All Species		
	Mature		Immature		Total		4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	
	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"													
T. 4 S., R. 33 ½ E., W. M.																		COMPARTMENT No. 19	
13		63	4,834	880	4,834	943	6,656	1,641	1,336	292	567	138	855	477			14,248	3,491	
14			20	11	20	11	14,480	1,188									14,500	1,199	
24	20	98	2,498	1,090	2,518	1,188	5,609	1,059	604	513	120	123	214	174			9,065	3,057	
25	10	83	1,670	1,279	1,680	1,362	7,264	2,974	267	452			125	116	141	195	9,477	5,079	
Por. Twp. Totals	30	244	9,022	3,260	9,052	3,504	34,009	6,862	2,207	1,237	687	261	1,194	797	141	195	47,290	12,826	
T. 4 S., R. 34 E., W. M.																			
19	8	54	3,064	616	3,072	670	1,012	863	385	273	66	17	81	28			4,616	1,851	
20	11		92	71	103	71	77	66	202	81							382	218	
28			337	256	337	256	1,046	213	327	80	182		67	131			1,959	680	
29	21	58	400	150	421	208	7,889	4,100	861	324	388	136	516	295			10,075	5,063	
30	33	146	2,636	978	2,669	1,124	1,629	983	102	833	828	447	183	163			6,411	3,550	
Por. Twp. Totals	73	258	6,529	2,071	6,602	2,329	11,655	6,225	3,879	1,591	1,464	600	847	617			23,443	11,362	
Comp't 19 totals	103	502	15,551	5,331	15,654	5,833	45,688	13,087	5,084	2,828	2,151	861	2,041	1,384	141	195	70,733	24,188	
T. 4 S., R. 33 ½ E., W. M																		COMPARTMENT No. 20	
35					30			880	870								910	870	

TABLE NO. 10 (Continued)  
SUMMARY OF NUMBER OF POLES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
CAMAS BLOCK

Section & Township	Ponderosa Pine						Lodgepole Pine		Douglas Fir		White Fir		Western Larch		Engelmann Spruce		Total All Species	
	Mature		Immature		Total		4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"
	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"												
T. 4 S. R. 34 E., W. M.																		
27		29	963	850	963	879	407	186	737	448	7		36	52			2,150	1,565
28	10	66	1,067	971	1,077	1,037	4,509	1,285	734	490	193	65	90	176			6,603	3,053
29	40	38	1,619	1,257	1,659	1,295	1,418	556	686	503	302	131	165	112			4,230	2,597
30	41	136	626	400	667	536	95	96	808	616	312	213	173	237			2,055	1,698
31	33	266	2,052	1,068	2,085	1,334	7,215	3,260	233	102	287	116	38	96			9,858	4,908
32		35	1,977	3,382	1,977	3,417	1,977	3,417	2,847	3,557	259	236			11	49	7,071	10,676
33	19	37	837	1,603	856	1,640	4,899	4,428	374	581		10	96	307			6,225	6,966
34		67	1,710	1,072	1,710	1,139	1,895	525	1,581	956	806	516	212	297			6,204	3,433
Por. Twp. Totals	143	674	10,851	10,603	10,994	11,277	22,415	13,733	8,000	7,253	2,166	1,287	810	1,277	11	49	44,396	34,896
T. 5 S. R. 33 ½ E., W. M.																		
1		17	1,188	413	1,188	430	7,554	3,243									8,742	3,673
2			97	37	97	37	82	37									179	74
Por. Twp. Totals		17	1,285	450	1,285	467	7,636	3,280									8,921	3,747
T. 5 S., R. 34 E., W. M.																		
3		135	1,334	841	1,334	976	5,622	2,285	703	614	1,376	535	672	597			9,707	5,007

Section & Township	Ponderosa Pine						Lodgepole Pine		Douglas Fir		White Fir		Western Larch		Engelmann Spruce		Total All Species	
	Mature		Immature		Total		4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"
	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"												
4		8	2,321	2,755	2,321	2,763	2,662	3,861	1,659	3,153	7	140					6,649	9,917
5			977	1,155	977	1,155	2,300	1,346	1,409	715	84	342	192	538			4,962	4,096
6	11	72	1,077	328	1,088	400	3,239	1,706	189	70	316	162	261	213	607	256	5,700	2,807
10		10	40	40	40	50	970	240	80	98	70	70	106	156			1,266	614
Por. Twp. Totals	11	225	5,749	5,119	5,760	5,344	14,793	9,438	4,040	4,650	1,853	1,249	1,231	1,504	607	256	28,284	22,441
Comp't. 20 Totals	154	916	17,915	16,172	18,069	17,088	45,724	27,341	12,040	11,903	4,019	2,536	2,041	2,781	618	305	82,511	61,954
T. 4 S., R. 33 ½ E., W. M.			COMPARTMENT No. 21															
35																		
T. 5 S., R. 33 ½ E., W.M.																		
2			184	32	184	32	3,785	1,124					10				3,979	1,156
12		18	955	1,254	955	1,272	17,261	8,051	1,019	702	1,144	489	2,520	1,300	67	26	22,966	11,840
13		10	723	517	723	527	12,323	4,618	1,827	1,229	1,917	924	825	229	317	117	17,932	7,644
Por. Twp. Totals		28	1,862	1,803	1,862	1,831	33,369	13,793	2,846	1,931	3,061	1,413	3,355	1,529	384	143	44,877	20,640
T. 5 S., R. 34 E., W. M.																		
4			210	140	210	140											210	140
5			1,847	2,587	1,847	2,587	889	1,007	372	640			15	7			3,123	4,241
6		27	1,580	438	1,580	465	4,665	1,845	259	296	147	19	107	123			6,758	2,748
7	22	18	710	1,361	732	1,379	13,348	4,474	1,652	1,357	984	731	1,078	935			17,794	9,076
8			1,304	797	1,304	797	2,665	1,948	1,944	1,646			460	1,296			6,373	5,687
9			210	84	210	84	220	440	99	88							529	612
18		18	237	136	237	154	2,623	1,213	488	385	770	879	139	179	141	130	4,398	2,940
Por. Twp. Totals	22	63	6,098	5,543	6,120	5,606	24,410	10,927	4,814	4,612	1,901	1,629	1,799	2,540	141	130	39,185	25,444
Comp't 21 Totals	22	91	7,960	7,346	7,982	7,437	57,779	24,720	7,660	6,543	4,962	3,042	5,154	4,069	525	273	84,062	46,084

TABLE NO. 10 (Continued)  
SUMMARY OF NUMBER OF POLES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
CAMAS BLOCK

Section & Township	Ponderosa Pine						Lodgepole Pine		Douglas Fir		White Fir		Western Larch		Engelmann Spruce		Total All Species	
	Mature		Immature		Total		4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"
	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"
COMPARTMENT No. 22																		
T. 5 S., R. 33 ½ E. W. M.																		
2			245	400	245	400	7,256	2,671	245	158	184	104	96	165		34	8,026	3,532
3			318	234	318	254	1,108	558	151	32		10	107	73			1,684	929
10			51	157	51	157	1,000	454	250	243	435	280	330	150	15	15	2,081	1,299
11	10	97	1,044	681	1,054	778	10,310	4,050	1,048	1,908	2,108	1,927	1,311	1,311	1,734	1,145	18,122	11,119
12			27	92	27	92	2,703	619	220	329	888	800	348	348	221	76	4,619	2,264
13		46	733	541	733	587	7,826	2,258	855	1,009	1,024	791	232	232	1,051	951	11,857	5,828
14		8	422	451	422	459	9,773	3,037	487	532	1,098	805	562	562	230	217	12,945	5,642
Comp't 22 Totals	10	151	2,840	2,576	2,850	2,727	39,976	13,647	3,256	4,241	5,737	4,717	2,843	2,843	3,251	2,438	59,334	30,613
COMPARTMENT No. 23																		
T. 4 S., R. 33 E., W. M.																		
24			1,026	203	1,026	203					116	90					1,142	295
25			10,234	5,259	10,234	5,259	1,930	365	3,444	1,960	846	769	1,141	1,069			17,595	9,422
26			1,931	1,108	1,931	1,108	2,289	914	283	234	80	100	194				4,777	2,356
35	2,177	1,100	13,940	5,535	16,117	6,635	2,064	1,957			90						18,271	8,592
Por. Twp. Totals	2,177	1,100	27,131	12,105	29,308	13,205	6,283	3,236	3,727	2,194	1,132	959	1,335	1,069			41,785	20,663
T. 5 S., R. 33 E. W. M.																		
26		78	1,097	1,343	1,097	1,421	1,640	682	10	10			243	142			2,990	2,233
27		56	745	391	745	447	983	405	170	68			22	11			1,920	931
34		10	1,238	276	1,238	286	500	200	30	30							1,768	516
35		126	4,866	1,733	4,866	1,859	7,336	2,818					56	18			12,258	4,695
Por. Twp. Totals		270	7,946	3,743	7,946	4,013	10,459	4,105	210	108			321	171			18,936	8,397
T. 5 S., R. 33 E., W. M.																		
1	20	20	480	290	500	310											500	310
T. 5 S., R. 33 ½ E., W. M.																		
2			478	270	478	270	1,123	323									1,601	593
3				11		11												11
Por. Twp. Totals			478	281	478	281	1,123	323									1,601	604
Comp't 23 totals	2,197	1,390	36,035	16,419	38,232	17,809	17,865	7,664	3,937	2,302	1,132	959	1,656	1,240			62,822	29,974
COMPARTMENT No. 24																		
T. 4 S., R. 33 E., W. M.																		
14			225	73	225	73	3,332	830	1,770	933			1,329	1,302			6,656	3,138
15	45	52	690	244	735	296	9,356	437	939	485	367	145	564	181	112		12,073	1,594
21			17	20	17	20			224	66	66	17	41				348	103
22			1,001	577	1,001	577	8,657	6,233	765	1,271	773	524	1,251	1,338			12,450	9,943
23			3,838	931	3,838	931	10,254	3,167			7,833	3,021	2,975	2,152			24,900	9,271
24			987	154	987	154											987	154
26			7,964	1,780	7,964	1,780	5,616	1,331	2,215	1,579	824	788	941	285			17,560	5,783
27	22	67	5,936	885	5,958	852	4,981	567	3,344	908	220	50	298	291			14,801	2,768
34			1,849	150	1,849	150	598	27			30		9	18			2,486	195
35			2,401	77	2,401	77	3,222	151			18		198	23			5,839	251
Comp't 24	67	119	24,908	4,891	24,975	5,010	46,016	12,813	9,260	5,242	10,131	4,545	7,606	5,590	112		98,100	33,200

TABLE No. 10 (Continued)  
SUMMARY OF NUMBER OF POLES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE-  
CAMAS BLOCK

Section & Township	Ponderosa Pine						Lodgepole Pine		Douglas Fir		White Fir		Western Larch		Englemann Spruce		Total All Species	
	Mature		Immature		Total		4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"
	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"												
COMPARTMENT No. 25																		
T. 4 S., R. 33 E., W.M.																		
20	18	37	2,481	295	2,499	332	230	31	914	141	7		245	23			3,895	527
21	105	135	8,663	998	8,768	1,133	2,733	264	3,600	886	1,375	271	952	216	39	19	17,467	2,787
28		25	879	395	879	420	30	40	276	354	106	62	154	228			1,445	1,104
29		29	1,084	938	1,084	967	123	171	429	594	43	35	173	176	24	104	1,876	1,847
30							41	25		8				8			41	41
32			297	223	297	223	574	641	247	87	11		132	213			1,261	1,164
Comp't 25 Totals	123	226	13,404	2,849	13,527	3,075	3,731	1,172	5,466	1,868	1,542	368	1,656	864	63	123	25,985	7,470
COMPARTMENT No.26																		
T. 4 S. R. 33 E. W. M.																		
5	3	6		11	3	17	3,253	1,277	398	177	700	200	628	108			4,982	1,779
6							3,574	1,437	180	8	340		102	48			4,196	1,493
7		18	1,756	335	1,756	353	5,509	270	996	844	45	39	451	212	20		8,777	1,718
8		46	1,267	635	1,267	681	7,103	470	1,151	1,276	162	30	666	410	160	160	10,509	3,027
9			40	10	40	10	220	70	60	50	20		40				380	130
16	17	18	1,042	238	1,059	256	4,392	321	581	224	1,454	463	136	168			7,622	1,432
17	85	209	5,370	1,122	5,455	1,331	2,906	268	3,651	1,562	841	256	1,257	1,031	1,722	860	15,832	5,308
18		10	1,228	421	1,228	431	700	80	492	381	420	60	262	20	60	30	3,162	1,008
19		10	307	323	307	333	224	95	203	117	34	34	129	120	9	17	906	716
20	74	59	5,321	992	5,395	1,051	5,553	97	2,877	886	824	318	1,281	418	498	79	14,428	2,849
21			40		40												40	
29			359	125	359	125	20	10	109	132	27	17	224	136			739	420
30	30	93	172	315	202	406		7	67	137			31	38			300	588
Comp't 26 Totals	209	469	16,902	4,525	17,111	4,994	31,454	4,402	10,765	5,794	4,867	1,417	5,207	2,709	2,469	1,146	71,873	20,462
COMPARTMENT No.27																		
T4 S., R. 33 E. W. M.																		
30							1,200	250	120	20			20				1,320	290
31		156	939	747	939	903	162	197	322	351	10	20	401	243		30	1,834	1,744
32			292	78	292	78				19							292	97
Por. Twp. Totals		156	1,231	825	1,231	981	1,362	447	442	390	10	20	401	263		30	3,446	2,131
COMPARTMENT No.28																		
T. 5 S. R. 33 E., W. M.																		
5	21	123	2,809	598	2,830	721	32	11	487	465	17	33	55	66			3,421	1,296
8		20	1,355	86	1,355	106			10								1,365	106
Por. Twp. Totals	21	143	4,164	684	4,185	827	32	11	497	465	17	33	55	66			4,786	1,402
Comp't 27 Totals	21	299	5,395	1,509	5,416	1,808	1,394	458	939	855	27	53	456	329		30	8,232	3,533
COMPARTMENT No.28																		
T.4 S., R. 33 E. W. M.																		
30							700	150	20	20			10				720	180
31									20	20		10	10	30			10	60
32			217	117	217	117	419	758	409	405	100	120	270	300	120	150	1,535	1,850
33	10		2,040	780	2,050	780	1,920	1,690	270	150	40	20	260	320			4,540	2,960
Por. Twp. Totals	10		2,257	897	2,267	897	3,039	2,598	699	595	140	150	540	360	120	150	6,805	5,050
COMPARTMENT No.28																		
T.5 S. R. 33 E. W. M.																		
4		53	5,104	512	5,104	565	1,617	796	1,785	644	595	106	716	350		38	9,817	2,499

Section & Township	Ponderosa Pine						Lodgepole Pine		Douglas Fir		White Fir		Western Larch		Englemann Spruce		Total All Species	
	Mature		Immature		Total		4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"
	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"												
5	42	151	1,798	770	1,840	921	885	321	1,681	1,040	751	394	213	270			5,370	2,946
8		28	3,737	318	3,737	346	336	21	565	87	815	140	261	121			5,682	715
9	18	39	5,159	444	5,177	483	157	34	1,045	131	158	39	10	30			6,547	717
Por. Twp. Totals	60	271	15,798	2,044	15,858	2,316	2,995	1,172	5,046	1,902	2,317	679	1,200	771		38	27,416	6,877
Comp't 28 Totals	70	271	18,055	2,941	18,125	3,212	6,034	3,770	5,745	2,497	2,457	829	1,740	1,431	120	188	34,221	11,927

TABLE No. 10 (Continued)  
 SUMMARY OF NUMBER OF POLES  
 JOHN DAY - GRANDE RONDE WORKING CIRCLE-  
 CAMAS BLOCK

Section and Township	Ponderosa Pine				Lodgepole Pine				Fir		White Fir		Western Larch		Engelmann Spruce		Total All Species		
	Mature		Immature		Total		Total		Total		Total		Total		Total		Total		
	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	
DEPARTMENT No. 29																			
T. 4 S., R. 33 E., W. M.	47:	5,675:	332:	3,675:	379:	3,394:	327:	332:	354:	34:	:	120:	199:	:	:	8,555:	1,259		
27	:	:	:	449:	139:	449:	139:	127:	114:	115:	187:	15:	:	22:	68:	:	788:	509	
28	:	:	:	1,044:	450:	1,044:	450:	936:	954:	174:	50:	:	:	94:	137:	:	2,248:	1,591	
32	:	:	:	820:	210:	820:	210:	800:	740:	10:	:	:	:	40:	10:	:	1,670:	960	
33	:	:	:	8,857:	812:	8,857:	812:	4,708:	569:	8:	28:	24:	:	42:	26:	:	13,639:	1,435	
34	:	:	:																
Por.Twp.Totals	:	47:	14,845:	1,943:	14,845:	1,990:	9,965:	2,706:	339:	619:	73:	:	318:	440:	:	26,840:	5,754		
T. 5 S., R. 33 E., W. M.	:	:	40:	40:	40:	40:	1,971:	777:	:	:	:	:	19:	20:	:	2,030:	837		
4	:	:	:																
Comp't 29 Totals	:	47:	14,885:	1,983:	14,885:	2,030:	11,936:	3,483:	339:	619:	73:	:	337:	460:	:	28,870:	6,591		
DEPARTMENT No. 30																			
T. 4 S., R. 33 E., W. M.	:	:	20:	:	20:	:	300:	200:	:	:	:	:	:	:	:	320:	200		
33	:	:	20:	:	20:	:	1,200:	370:	:	:	:	:	:	:	:	1,260:	570		
34	:	:	20:	:	20:	:	1,500:	770:	:	:	:	:	:	:	:	1,580:	770		
Por.Twp.Totals	:	:	20:	:	20:	:	1,500:	770:	:	:	:	:	:	:	:	1,580:	770		
T. 5 S., R. 33 E., W. M.	:	20:	809:	89:	609:	89:	6,148:	444:	25:	13:	:	13:	13:	19:	6:	6,814:	565		
2	:	20:	5,956:	2,514:	6,056:	2,534:	9,748:	3,271:	36:	699:	51:	:	773:	684:	:	17,843:	7,188		
3	:	20:	3,045:	1,047:	3,065:	1,146:	1,769:	575:	04:	110:	103:	51:	368:	174:	:	6,229:	2,056		
4	:	20:	2,362:	479:	2,352:	524:	1,461:	74:	13:	201:	201:	17:	148:	66:	:	4,775:	902		
9	:	50:	3,625:	799:	3,675:	859:	2,096:	41:	01:	547:	273:	31:	899:	559:	65:	37:	8,109:	2,074	
10	:	50:	3,111:	98:	3,111:	98:	:	27:	65:	:	:	:	18:	84:	:	356:	245		
14	:	10:	95:	1,656:	953:	1,666:	1,046:	18,953:	10,107:	83:	611:	1,731:	751:	1,058:	984:	15:	24,786:	13,510	
15	:	160:	317:	17,564:	5,979:	17,714:	6,296:	40,175:	14,512:	391:	2,244:	2,359:	850:	3,277:	2,564:	99:	68,915:	28,540	
Por. Twp. Totals	:	160:	317:	17,634:	5,979:	17,794:	6,296:	41,675:	15,282:	391:	2,244:	2,359:	850:	3,277:	2,564:	99:	70,495:	27,310	
Comp't 30 Totals	:	160:	317:	17,634:	5,979:	17,794:	6,296:	41,675:	15,282:	391:	2,244:	2,359:	850:	3,277:	2,564:	99:	70,495:	27,310	
DEPARTMENT No. 31																			
T. 5 S., R. 33 E., W. M.	:	:	1,801:	826:	1,801:	826:	8,663:	1,682:	50:	33:	:	:	92:	45:	27:	10,633:	2,584		
1	:	:	37:	1,297:	451:	1,297:	468:	2,351:	616:	2:	196:	:	106:	108:	:	4,276:	1,368		
2	:	21:	73:	1,165:	931:	1,166:	1,004:	859:	23:	11:	728:	240:	29:	140:	78:	3,656:	1,807		
11	:	95:	164:	3,708:	511:	3,803:	675:	317:	111:	11:	666:	2,444:	575:	732:	291:	7:	9,644:	2,352	
12	:	:	111:	1,738:	563:	1,738:	674:	6,264:	2,136:	4:	908:	5,181:	2,523:	865:	366:	971:	20,533:	6,940	
13	:	:	11:	29:	43:	29:	54:	1,602:	710:	7:	112:	377:	424:	7:	22:	:	2,492:	1,322	
24	:	116:	396:	9,738:	3,305:	9,854:	3,701:	20,056:	5,283:	45:	2,683:	8,242:	3,551:	1,942:	908:	1,005:	347:	51,234:	16,483
Por.Twp.Totals	:	116:	396:	9,738:	3,305:	9,854:	3,701:	20,056:	5,283:	45:	2,683:	8,242:	3,551:	1,942:	908:	1,005:	347:	51,234:	16,483
T. 5 S., R. 33 E., W. M.	:	:	676:	450:	676:	450:	425:	92:	8:	156:	178:	92:	263:	149:	60:	72:	1,700:	1,011	
10	:	:	9:	112:	158:	112:	167:	10:	40:	23:	60:	24:	16:	2:	:	:	208:	220	
11	:	:	748:	567:	748:	567:	3,195:	1,439:	6:	1,233:	1,011:	1,111:	515:	429:	400:	125:	7,055:	4,904	
14	:	:	515:	200:	315:	200:	2,649:	665:	9:	429:	956:	412:	224:	212:	:	:	4,353:	1,918	
15	:	:	9:	1,851:	1,375:	1,851:	1,384:	6,279:	2,200:	5:	1,841:	2,185:	1,639:	1,018:	792:	460:	197:	13,316:	8,053
Por.Twp.Totals	:	116:	405:	11,589:	4,680:	11,705:	5,085:	26,335:	7,483:	5:	4,504:	10,427:	5,190:	2,960:	1,700:	1,465:	544:	64,550:	24,506
Comp't 31 Totals	:	116:	405:	11,589:	4,680:	11,705:	5,085:	26,335:	7,483:	5:	4,504:	10,427:	5,190:	2,960:	1,700:	1,465:	544:	64,550:	24,506

TABLE No. 10 (Continued)  
SUMMARY OF NUMBER OF POLES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE-  
CAMAS BLOCK

Section & Township	Ponderosa Pine						Lodgepole Pine		Douglas Fir		White Fir		Western Larch		Engelmann Spruce		Total All Species			
	Mature		Immature		Total		4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"		
	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"														
T. 5 S., R. 33 E., W.M.																			COMPARTMENT No. 32	
10			1,883	894	1,883	894	934	116	594	286	160	27	464	242	10	18	4,045	1,583		
11	18	140	2,832	943	2,650	1,083	1,312	206	1,943	888	1,283	391	226	306	570	213	8,184	3,087		
13			369	689	369	609	239	30	99	105	884	334	18	200	50	1,791	1,226			
14		91	2,042	1,392	2,042	1,483	3,862	1,425	1,612	946	5,272	2,405	1,281	917	1,243	1,128	15,312	8,304		
15		12	276	170	279	182	524	36	649	486	820	299	435	163	8	2,718	1,166			
23							359	157	9	38	833	362	9	133	28	47	1,238	737		
24			768	809	768	809	1,350	600	246	373	1,064	976	127	122	1,169	549	4,724	3,429		
Comp't 32 Totals		18	243	8,170	4,897	8,188	5,140	8,580	2,570	5,152	3,122	10,316	4,794	2,542	1,901	3,228	2,005	38,006	19,532	
T. 5 S., R. 33 E., W. M.																			COMPARTMENT No.33	
15		37	208	248	208	285	7,635	4,159	286	265	494	85	690	618			9,313	5,412		
21			273	178	273	178	2,877	721	248	174	41		431	447	94	21	3,954	1,541		
22	31	185	1,746	1,476	1,777	1,661	28,117	13,765	1,267	800	1,203	650	3,338	2,185	30		35,732	19,061		
23		30	1,439	1,725	1,439	1,755	4,672	1,505	222	143	1,026	370	94	217	60	40	7,513	4,030		
27			54	84	54	84	4,729	3,031	175	112	187	214	416	181	197	207	5,758	3,829		
28							200	300		30		10	120	100	180	420	520			
Comp't 33 Totals		31	252	3,720	3,711	3,751	3,963	48,230	23,481	2,198	1,524	2,951	1,329	5,089	3,648	471	448	62,690	34,393	
T. 5 S., R. 33 E., W. M																			COMPARTMENT No.34	
23		117	1,013	926	1,013	1,043	2,932	1,990	37	148	200	110	80	320	60		4,502	3,431		
24		11	840	1,021	840	1,032				61	40	49	10	20			890	1,162		
25		22	1,848	1,187	1,848	1,209	13,765	6,343	1,371	1,403	1,566	658	912	811	891	487	20,353	10,911		
26		50	459	520	459	570	13,821	5,292	1,401	761	1,147	1,137	1,343	1,259	690	203	18,861	9,222		
36	10		721	371	731	371	7,629	2,989	2,769	1,448	2,699	1,300	1,187	851	1,191	507	16,206	7,466		
Comp's 34 Totals		10	200	4,881	4,025	4,891	4,225	38,147	16,614	5,578	3,821	5,652	3,254	3,452	3,021	3,092	1,257	60,812	32,192	
T. 5 S., R. 33 E., W. M.																			COMPARTMENT No. 35	
26			293	277	293	277	3,478	1,570					123				3,894	1,847		
33			500	300	500	300	300	140					100	30			900	470		
34		10	3,425	1,396	3,425	1,406	6,944	2,458	1,567	578	209	108	897	694	75		13,117	5,244		
35			707	356	707	356	21,530	9,210	1,468	723	1,179	378	2,118	1,241	313	154	27,315	12,062		
36			440	105	440	105	2,629	1,047	1,388	403	900	200	941	255			6,298	2,010		
Comp't 35 Totals			5,365	2,434	5,365	24,444	34,881	14,425	4,423	1,704	2,288	686	4,179	2,220	388	154	51,524	21,633		
T. 5 S., R. 33 E., W. M.																			COMPARTMENT No.36	
20			540	70	540	70			130	30			20	20			690	120		
21			410	166	410	166	935	399	469	100	85	22	188	190	37	18	2,124	895		
27			705	384	705	384	5,628	2,445	210	40	279	42	1,093	663	40	20	7,955	3,594		
28		13	1,671	579	1,671	592	9,646	3,648	551	43	44		807	213	32	22	12,751	4,518		
33		10	3,488	1,315	3,488	1,325	4,506	1,388	442	88	148		548	330	95		9,227	3,131		
34			1,670	668	1,670	668	1,101	431	354	109	138	87	194	179			3,457	1,474		
Comp't 36 Totals			23	8,484	3,182	8,484	3,205	21,816	8,311	2,156	410	694	151	2,850	1,595	204	60	36,204	13,732	



TABLE No. 10 (Continued)  
SUMMARY OF NUMBER OF POLES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE-  
CAMAS BLOCK

Section & Township	Ponderosa		Pine				Lodgepole		Douglas		White		Western		Engelmann		Total	
	Mature		Immature		Total		Pine		Fir		Fir		Larch		Spruce		All Species	
	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"
T. 5 S., R. 33 E., W. M.																		
20	120	88	6,211	515	6,331	603	497	20	1,296	297	506	123	225	192			8,855	1,235
29	79	82	6,548	934	6,647	1,016	616	35	1,533	530	592	280	306	438			9,694	2,299
32	10	10	231	105	241	115	21	31	31	21				52			293	219
Comp't 37 Totals	229	180	12,990	1,554	13,219	1,734	1,134	86	2,860	848	1,098	403	531	682			18,842	3,753
T. 5 S., R. 33 E., W.M.																		
29	10	20	1,090	490	1,100	510	71	11	178	208	425	117	83	73			1,857	919
32	51	199	4,738	1,273	4,789	1,472	3,664	551	1,100	628	347	169	701	564	47	38	10,648	3,422
33			520	415	520	415	910	405	130	80	50		265	73			1,875	973
Comp't 38 Totals	61	219	6,348	2,178	6,409	2,397	4,645	967	1,408	916	822	286	1,049	710	47	38	14,380	5,317
T.5 S. R. 32 E., W.M.																		
31			306	181	306	181			18	35							324	216
32			2,479	943	2,479	943	247	90	1,552	551	573	419	264	99			5,115	2,102
33			2,273	754	2,273	754	774	89	724	284	348	110	488	147			4,607	1,384
Por. Twp. Totals			5,058	1,878	5,058	1,878	1,021	179	2,294	870	921	529	752	246			10,046	3,702
T. 6 S., R. 32 E., W. M.																		
3			5,150	1,605	5,150	1,605	1,538	801	774	115	224	36	274	98	36	9	7,996	2,664
4			2,974	1,280	2,974	1,280	1,513	653	987	319	460	114	168	126			6,092	2,492
5			1,179	464	1,179	464			78	87	40	100	40	43			1,337	694
6			490	105	490	105											490	105
10			3,828	2,209	3,828	2,209	646	403	1,124	218	477	11	269	109			6,344	2,950
Por. Twp. Totals			13,621	5,663	13,621	5,663	3,697	1,857	2,963	739	1,191	261	751	376	36	9	22,259	8,905
Comp't 39 Totals			18,679	7,541	18,679	7,541	4,718	2,036	5,257	1,609	2,112	790	1,503	622	36	9	32,305	12,607
T. 5 S., R.32 E., W.M.																		
33			225	40	225	40	374	87	335	132	231	128	279	28			1,444	415
34			240	169	240	169	2,385	644	981	544	708	631	1,098	524			5,412	2,512
35				42		42	678	80	274	81	541	540	1,291	364			2,784	1,107
Por. Twp. Totals			465	251	465	251	3,437	811	1,590	757	1,480	1,299	2,668	913			9,640	4,034
T. 6 S., R. 32 E., W. M.																		
1			670	314	670	314	1,187	479	287	185	1,259	663	430	365	240	70	4,073	2,076
2			1,890	1,103	1,890	1,103	2,722	883	1,524	416	838	508	812	490	70	151	7,856	3,551
3			1,410	56	1,410	56			80	16			32	8			1,522	80
11			2,847	1,044	2,847	1,044	1,769	707	1,483	527	698	466	656	428			7,452	3,172
12			1,327	997	1,327	997	1,489	1,018	658	463	1,116	1,398	507	355	213	131	5,290	4,362
Por. Twp. Totals			8,144	3,514	8,144	3,514	7,147	3,087	4,032	1,607	3,911	3,035	2,436	1,646	523	352	26,193	13,241
Comp't 40 Totals			8,609	3,765	8,609	3,765	10,584	3,898	5,622	2,364	5,391	4,334	5,104	2,562	523	352	35,833	17,275

CAMAS BLOCK TOTALS

								40 Comp'ts												
4,318	8,597	423,118	155,958	427,436	164,555	809,995	297,472	198,471	113,118	137,778	67,862	114,759	84,682	32,012	18,937	1,720,451	746,625			

TABLE NO.11  
SUMMARY OF NUMBER OF POLES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE  
PILOT ROCK BLOCK

Section & Township	Ponderosa Pine						Lodgepole Pine		Douglas Fir		White Fir		Western Larch		Engelmann Spruce		Total All Species		
	Mature		Immature		Total		4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	
	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"													
T. 3 S., R. 32 E., W. M.																			
25	30	20	2,670	455	2,700	475	10,376	1,016	7,014	3,487	1,641	907	3,559	1,799	176	75	25,466	7,759	
26		132	1,365	824	1,365	956	8,505	3,818	2,899	1,474	1,645	428	2,386	1,012	373	194	17,173	7,882	
27							1,997	912	1,237	492			1,536	586	103		4,873	1,990	
32	34	72	2,438	477	2,472	549	2,685	338	3,073	2,072	5,151	3,593	644	696	292	104	14,317	7,352	
33		124	1,011	430	1,011	554	2,151	388	1,435	1,390	5,238	1,600	505	310	257	132	10,597	4,374	
34									600	500			300	10	200	100	400	610	
Por. Twp. Totals	64	348	7,484	2,186	7,548	2,534	25,714	6,472	16,258	9,415	13,675	6,528	8,930	4,413	1,401	605	73,526	29,967	
T. 3 S., R. 33 E., W. M.																			
30			365	287	365	287	1,108	650	400	450	308	136	160	302	150	38	2,491	1,863	
31			134	51	134	51	334	306	123	143	54	124	31	31	157	84	833	739	
32							1,012	1,288	40	13	82	20	222	122			1,356	1,443	
Por. Twp. Totals			499	338	499	338	2,454	2,244	563	606	444	280	413	455	307	122	4,680	4,045	
T. 4 S., R. 32 E., W. M.																			
5	8	17	831	140	839	157	502	152	653	514	2,346	1,050	286	221	186	70	4,812	2,164	
Block Totals	72	365	8,814	2,664	8,886	3,029	28,670	8,868	17,474	10,535	16,465	7,858	9,629	5,089	1,894	797	83,018	36,176	

TABLE NO.12  
SUMMARY OF NUMBER OF POLES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE – STARKEY BLOCK

Section & Township	Ponderosa Pine						Lodgepole Pine		Douglas Fir		White Fir		Western Larch		Engelmann Spruce		Total All Species	
	Mature		Immature		Total		4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"
	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"												
COMPARTMENT No. 8																		
T. 4 S., R. 33 E., W. M.																		
1			1,788	798	1,788	798	5,199	3,988	749	804	20	60	683	541			8,439	6,191
2			743	332	743	332	6,570	3,679	510	477	52	102	362	274			8,237	4,864
3			16	16	16	16	1,419	338	164	221							1,599	575
11			400	71	400	71	4,485	2,744	251	404	274	177	409	449	40	40	5,859	3,885
12		21	135	82	135	103	4,965	2,087	365	651	301	170	1,276	614			7,042	3,625
13							2,827	1,431									2,827	1,431
Por. Twp. Totals		21	3,082	1,299	3,082	1,320	25,465	14,267	2,039	2,557	647	509	2,730	1,878	40	40	34,003	20,571
COMPARTMENT No. 9																		
T. 4 S., R. 33 ½ E., W.M.																		
2		11	88	111	88	122	7,893	1,392	212	759	67	114	112	228			8,372	2,615
3			206	229	206	229	644	156	113	249	70	158	34	73			1,067	865
10		22	99	95	99	117	3,224	415	158	69	106	192	94	147			3,681	940
11	10	36	188	317	198	353	10,635	4,166	265	258	97	63	542	178			11,737	5,018
12			20	10	20	10	2,570	2,220		40				40			2,590	2,310
14			22	20	22	20		10									22	30
15			10		10		1,544	213	380	60			315	40			2,249	313
Por. Twp. Totals	10	69	633	782	643	851	26,510	8,572	1,128	1,435	340	327	1,097	706			29,718	12,091
Comp't 8 Totals	10	90	3,715	2,081	3,725	2,171	51,975	22,839	3,167	3,992	987	1,036	3,827	2,584	40	40	63,721	32,662
COMPARTMENT No. 10																		
T. 4 S., R. 34 E., W.M.																		
1	13		430	270	443	270	6,246	4,212	833	719	554	192	397	819			8,473	6,212
12			308	288	308	288	6,845	3,889	200	391	100	50	680	448			8,135	5,066
13							6,517	315	37	55	18	101	74	74			6,646	545
Por. Twp. Totals	13		738	558	751	588	19,608	8,416	1,070	1,165	672	343	1,151	1,341			23,252	11,823
T. 4 S., R. 34 E., W. M.																		
5	53	96	653	481	706	577	1,364	328	1,372	949	705	384	429	205	203	64	4,779	2,507
6	21	125	2,431	1,179	2,452	1,304	7,374	2,027	2,274	2,171	2,409	1,294	581	584	929	311	16,019	7,691
7	10	61	917	797	927	858	16,426	4,526	922	625	1,464	824	716	683			20,455	7,516
8	11	11	256	185	267	196	363	139	605	259	59	28	621	270	15	7	1,930	899
18			11		11		3,220	897	11	23			34	34			3,276	954
Por. Twp. Totals	95	293	4,268	2,642	4,363	2,935	28,747	7,917	5,184	4,027	4,637	2,530	2,381	1,776	1,147	382	46,459	19,567
Comp't 9 Totals	108	293	5,006	3,200	5,114	3,493	48,355	16,333	6,254	5,192	5,309	2,873	3,532	3,117	1,147	382	69,711	31,390
T. 4 S., R. 33 ½ E., W. M.																		
13		5	51	23	51	28	1,552	304	81	59			185	59			1,869	450

Section & Township	Ponderosa Pine						Lodgepole Pine		Douglas Fir		White Fir		Western Larch		Engelmann Spruce		Total All Species	
	Mature		Immature		Total		4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"
	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"												
T. 4 S., R. 34 E., W. M.																		
4	92	121	2,414	1,889	2,506	2,010	1,270	442	1,985	943	594	262	826	543		9	7,181	4,209
5	18	10	123	160	141	170	236	20	104	129			289	49			770	368
7			178	42	178	43	5,046	2,219		11							5,224	2,272
8	40	125	947	1,023	987	1,148	3,375	1,551	1,496	1,159	1,410	903	518	363			7,786	5,124
9	57	106	1,955	1,680	2,012	1,786	448	174	2,511	1,959	978	1,035	414	477			6,363	5,431
16			1,704	2,132	1,704	2,132	673	462	2,570	2,161	211	170	185	381	67	31	5,410	5,337
17		12	2,353	3,018	2,353	3,030	3,468	3,321	2,623	3,322	732	592	417	520		9	9,593	10,794
18		43	1,016	764	1,016	807	21,078	14,317	574	849	759	481	534	822			23,961	17,276
19			887	473	887	473	2,775	2,675	214	191	484	411	199	124			4,559	3,874
20	11	100	830	584	841	684	7,144	2,714	930	847	1,290	427	318	471			10,523	5,143
21	37	24	1,264	1,108	1,301	1,132	6,021	959	2,476	1,249	1,911	514	1,069	1,166	200	50	12,978	5,070
22			623	399	623	399	677	340	728	390	620	230	176	269		10	2,824	1,638
27		10	84	220	84	230	1,611	547	322	373	760	279	689	609			3,466	2,038
28	44	10	493	344	537	354	2,722	883	804	1,198	1,067	302	338	634			5,468	3,371
Por. Twp. Totals	299	561	14,871	13,836	15,170	14,397	56,544	30,624	17,337	14,781	10,816	5,606	5,972	6,428	267	109	106,106	71,945
Comp't 10 Totals	299	566	14,922	13,859	15,221	14,425	58,096	30,928	17,418	14,840	10,816	5,606	6,157	6,487	267	109	107,975	72,395

TABLE NO.12 (Continued)  
SUMMARY OF NUMBER OF POLES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE – STARKEY BLOCK

Section & Township	Ponderosa Pine						Lodgepole Pine		Douglas Fir		White Fir		Western Larch		Engelmann Spruce		Total All Species	
	Mature		Immature		Total		4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"
	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"												
T. 4 S., R. 34 E., W. M.	COMPARTMENT No. 11 (Incomplete)																	
9	20	20	604	462	624	482	432	50	374	492	101	31	199	162			1,730	1,217
22			282	258	282	258			994	678			500	400			1,776	1,336
23	10	10	1,123	996	1,133	1,006	1,123	250	1,424	504	1,328	704	458	110	260	520	5,726	3,094
26	35	67	1,518	1,110	1,553	1,177	2,811	502	2,106	1,444	280	300	1,686	829			8,436	4,252
27		31	913	557	913	588	2,252	1,256	484	370	691	286	562	518			4,872	3,018
Comp't 11 Totals	65	128	4,440	3,383	4,505	3,511	6,618	2,058	5,352	3,488	2,400	1,321	3,405	2,019	260	520	22,540	12,917
T. 4 S., R. 34 E., W. M.	COMPARTMENT No. 12 (Incomplete)																	
24			200	140	200	140	50	10	510	110	1,100	250	270	280			2,130	790
25	29	48	175	126	204	174			10	48		10	58				214	290
26		310	1,684	1,789	1,684	2,099	1,197	125	450	338	166	147	299	258			3,796	2,967
34		31	483	369	483	400	252	95	543	371	592	225	277	204			2,147	1,295
35	65	174	2,437	1,319	2,502	1,493	477	91	903	1,284	1,284	522	223	271	64	32	5,453	3,693
Por. Twp. Totals	94	563	4,979	3,743	5,073	4,306	1,976	321	2,416	2,151	3,142	1,154	1,069	1,071	64	32	13,740	9,035
T. 5 S., R. 34 E., W. M.	COMPARTMENT No. 13 (Incomplete)																	
1	15	25	1,198	408	1,213	433	7,258	1,295	2,352	817	2,396	402	1,183	790	314	69	14,716	3,806
2	31	174	2,180	2,321	2,211	2,495	13,216	2,775	1,623	1,769	484	261	945	1,071	10	10	18,489	8,381
3		20	192	180	192	200	2,983	1,088	564	384	72	46	159	217			3,970	1,935
10		22	304	177	304	199	4,041	1,607	317	359	205	30	733	662	10	10	5,610	2,867
11		10	60	105	60	115	20,742	8,526	274	327	122	30	1,031	862	226	72	22,455	9,932
12	17	16	79	73	96	89	21,463	2,799	475	230	75		693	342	333	115	23,135	3,575
Por. Twp. Totals	63	267	4,013	3,264	4,076	3,531	69,703	18,090	5,603	3,886	3,354	769	4,744	3,944	893	276	88,375	30,496
T. 5 S., R. 35 E., W. M.	COMPARTMENT No. 14 (Incomplete)																	
7							3,132	386					40	20			3,172	406
Comp't 12 Totals	157	830	8,992	7,007	9,149	7,837	74,811	18,797	8,021	6,037	6,496	1,923	5,853	5,035	957	308	105,287	39,937
T. 5 S., R. 34 E., W. M.	COMPARTMENT No. 13 (Incomplete)																	
9			2,675	2,759	2,675	2,759	3,630	2,406	376	705		30	48	418			6,729	6,318
10		213	2,175	1,467	3,175	1,680	3,447	1,294	656	780	82	65	592	347			6,952	4,166
11	11	132	1,447	629	1,458	761	15,148	5,422	573	279	622	146	1,417	1,204			19,218	7,812
12			199	111	199	111	2,224	602	103	44	140	28	142	98			2,808	883
13	20	30	4,210	3,734	4,230	3,764	2,769	1,390	1,355	1,000	51		391	301			8,796	6,455
14	40	30	4,964	1,675	5,004	1,705	5,139	516	277	155	90		237	22			10,747	2,398
15			700	590	700	590	2,780	2,020		60							3,480	2,670
Por. Twp. Totals	71	405	16,370	10,965	16,441	11,370	35,137	13,650	3,340	3,023	985	269	2,827	2,390			58,730	30,702
T. 5 S., R. 35 E., W. M.	COMPARTMENT No. 14 (Incomplete)																	
7							5,635	1,384	49				80				5,764	1,384
18							2,696	2,920									2,696	2,920
Por. Twp. Totals							8,331	4,304	49				80				8,460	4,304
Comp't 13 Totals	71	405	16,370	10,965	16,441	11,370	43,468	17,954	3,389	3,023	985	269	2,907	2,390			67,190	35,006
T. 5 S., R. 34 E., W. M.	COMPARTMENT No. 14 (Incomplete)																	
7							1,260	370	120	420	170	170	140	290	20	20	1,710	1,370
8			252	365	252	365	2,520	1,106	430	315			172	428			3,374	2,214

Section & Township	Ponderosa Pine						Lodgepole Pine		Douglas Fir		White Fir		Western Larch		Engelmann Spruce		Total All Species	
	Mature		Immature		Total		4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"
	4"-7"	8"-11"	4"-7"	8"-11"	4"-7"	8"-11"												
18							3,564	606	102	119	10	10		31			3,676	766
Comp't 14 Totals			252	365	252	365	7,344	2,082	652	854	180	180	312	849	20	20	8,760	4,350

TABLE NO.12 (Continued)  
SUMMARY OF NUMBER OF POLES  
JOHN DAY – GRANDE RONDE WORKING CIRCLE – STARKEY BLOCK

Block Totals																	
710	2,312	53,697	40,860	54,407	43,172	290,667	110,921	44,253	37,426	27,173	13,208	25,993	22,481	2,691	1,379	445,184	228,657
Project Totals																	
5,100	11,274	485,629	199,482	490,729	210,756	1,129,352	417,331	260,198	161,079	181,416	88,928	150,381	112,252	36,567	21,113	2,248,653	1,001,459

TABLE NO. 13  
TIMBER SUMMARY FOR PROJECT

Block Name	Net N. F. Acreage	Timber Estimate, by Block Totals, M. Feet B. M.							Total
		P	LP	D	WF	WL	ES		
(52) Camas	73,004	311,870	5,087	115,237	19,630	62,845	3,803	518,472	
(53) Pilot Rock	2,135	4,237	110	6,762	1,840	2,227	187	15,363	
(56) Starkey	19,830	74,401	1,567	32,331	2,482	14,690	286	125,757	
Totals	94,969	390,508	6,764	154,330	23,952	79,762	4,276	659,592	
Per cent of Timber Stand		59%	1%	23%	4%	12%	1%	100%	

Note: The number in brackets appearing at left of block name indicates page number in this report from which the totals are taken.

## VI. Conclusion

1. Since Camas block constitutes about 77% of the project area and is the only one of the three blocks named in this report which is now completed by timber surveys, the following averages have been obtained for it, based on the acreage of timberland types for the Government land and on the preceding summaries, viz: -

a. Estimated per acre stand of timber, all species –	8.074 ft. BM
b. Number of snags per acre	1.5
c. Number of diseased trees per acre	0.2
d. Number of small poles, 4"-7" class, per acre	26.7
e. Number of large poles, 8"-11" class, per acre	11.6

2. In the mature ponderosa pine type, the following averages apply:

- a. Estimated stand per acre - 11,645 ft. BM
- b. Ponderosa pine composes 73.5% of total stand.
- c. Immature pine composes 15% of total stand.
- d. The average volume of a mature ponderosa pine tree is 845 ft. BM - about 26 inches d.b.h.
- e. The average size of the ponderosa saw timber is such that 5.8 logs will be required for each M feet BM.
- f. The average volume of an immature ponderosa pine tree is 237 ft. BM – about 20 inches d.b.h.

A report pertaining to the costs of the work on this project will be submitted under separate cover.

*Fred A. Matz*  
Fred A Matz  
Chief of Timber Surveys.

Approved: Dec. 15, 1932

J.F. Irwin  
Forest Supervisor.

Approved: Dec. 16, 1932

A.C. Waha  
Acting Regional Forester.