

S. R-6  
Timber Surveys, Whitman  
Middle Fork John Day River  
Project

Portland, Oregon  
March 30, 1934

Descriptive Report

Middle Fork John Day River Timber Survey Project<sup>1</sup>

Whitman National Forest

1930

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FRED A MATZ.  
Chief of Timber Surveys.

*Forester's Copy*

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<sup>1</sup> 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.

# WILLAMETTE MERIDIAN

1931

Scale  Miles

*Timber Surveys - Whitman.  
Middle Fork John Day River Proj.*

### LEGEND

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| <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid black; margin-right: 5px;"></span> National Forest Boundary</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px solid black; margin-right: 5px;"></span> Adjacent National Forest Boundary</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px solid black; margin-right: 5px;"></span> Good motor road</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px dashed black; margin-right: 5px;"></span> Poor motor road</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px dotted black; margin-right: 5px;"></span> Road not passable to motors</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px dashed black; margin-right: 5px;"></span> Trail</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px dotted black; margin-right: 5px;"></span> Way trail</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px solid black; margin-right: 5px;"></span> Railroad</li> </ul> | <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; border-bottom: 1px solid black; margin-right: 5px;"></span> Telephone line</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px solid black; margin-right: 5px;"></span> Supervisor's headquarters</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px solid black; margin-right: 5px;"></span> Ranger station (R. S.) or guard station (G. S.)</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px solid black; margin-right: 5px;"></span> Triangulation station</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px solid black; margin-right: 5px;"></span> Permanent lookout station</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px solid black; margin-right: 5px;"></span> House, cabin, or other building</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px solid black; margin-right: 5px;"></span> Land exchange areas</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px solid black; margin-right: 5px;"></span> Alienations</li> </ul> |
|--|---|

Polyconic projection  
North American datum

R 30 E                      R 31 E                      R 32 E                      R 33 E

- ### LEGEND
- Timber Survey Project Area.
  - Adjacent Area, covered in 1912.
  - Alienated Land.
  - Block Boundary.
  - Control Lines Established.

Letters and figures in blue pertain to the control scheme. Example:  
V=560 is the corner common to Secs. 14 | 13 of T 8 S, R 31 E.  
 23 | 24

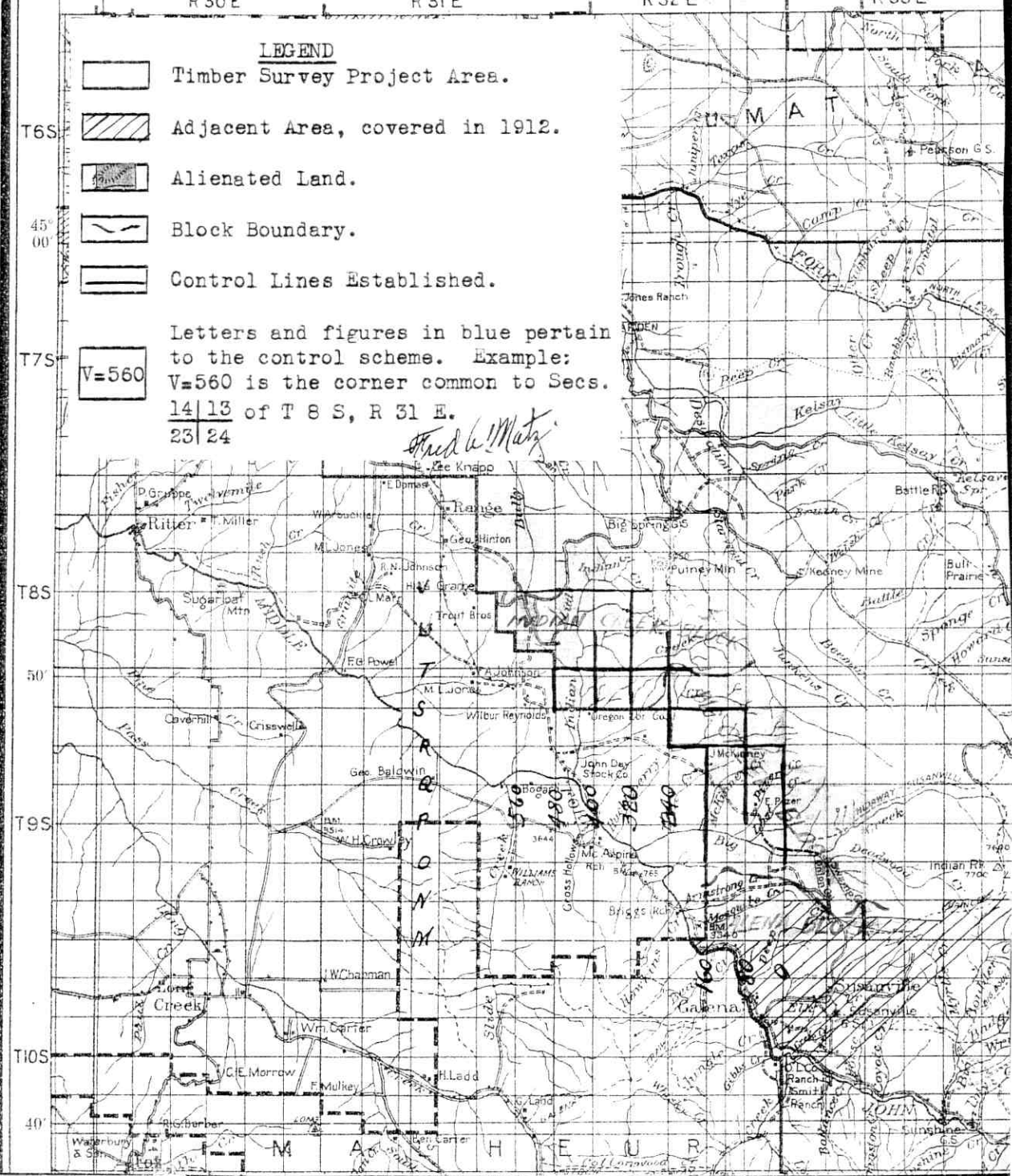


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March 30, 1934

## Descriptive Report

### I – Introduction

#### Maps

A map on the scale of  $\frac{1}{4}$  inch equals one mile forms the frontispiece of this report. On it is shown the area covered in the project, the block divisions, and other data corresponding with the accompanying legend.

Blue line prints of the timber estimate plat and also of the topographic plat of each township involved in the project have been prepared and are bound in the timber survey folder in the Office of Forest Management, and copies sent to the Supervisor. These plats are drawn on the scale of 4 inches equals one mile, and are bound so that the estimate faces the topographic plat. On the timber, estimate plats are shown the timber estimates by forties. A condensed summary at the bottom margin indicates the forest type acreages and timber estimate totals as they apply to the management units, the boundaries of which are shown with red ink. The topographic plats have been hand-colored in accordance with the standard legend to show the forest types and age classes.

#### History of Project

The Oregon Lumber Company owns most of the patented timber land in Indian Creek watershed and adjacent thereto. This company has been cutting private and government timber at the head watershed of the Middle Fork of John Day River for many years and it is understood are about cut out there. They have stated their desire to extend their logging railroad on down the river to tap their holdings on Camp Creek on the Malheur National Forest. This company's holding there constitute about 50 per cent of the entire acreage in Camp Creek block. Should the company's operations shift to Camp Creek region it would be but a few years later until they would extend even farther down the Middle Fork Valley. In time, this change would make their holding on Indian Creek and the government timber in that vicinity accessible. Most of the government timber on the Whitman portion of the Middle Fork John Day River drainage basin was cruised in 1912 and there has been considerable doubt as to the timber quantities in the uncovered portion, which forms the project area in this report. In order that there might be complete information for proper consideration of a management plan for the unit, the project was authorized for the summer of 1930.

The crew with some of the camp equipment arrived on the project in the late afternoon of August 14, having moved from Bingham Prairie on the Ochoco, with auto trucks, via John Day Highway to Austin. From Austin to a point about 4 miles below Galena there is an improved dirt road ranging from fair to good in the summer months but muddy and slippery in wet weather. The first camp site was on patented land, just off the Forest in Section 25, of 8-31. This camp site was about eight miles from the end of the good road and much of that distance was almost impassable for auto cars because of the rough rocky condition of the road and the steep hill leading southward from the lower ranch of the John

Day Stock Company. Another campsite, at McKinney Cabin in Section 7 of 9-32, was occupied on August 24 and the job completed from there on September 9. On the following day, the camp was moved to Slide Creek on the Malheur National Forest for timber survey duty there.

### Personnel

The party worked under the supervision of Fred A. Matz, Chief of Timber Surveys. Frank Flack, of the Regional Office of Engineering, was assigned to the party to lay out the vertical control scheme. D. H. Tripp of Union, Oregon served in the capacity of camp cook in his usual highly satisfactory manner. Wages were paid him at the rate of 115.00 per month.

Following is a list of the field assistants assigned to the party, the school with which they were affiliated, position filled and the monthly wage. All the men served during the full duration of the job. Subsistence was furnished the men in addition to the wages stated.

1. Harold Boeger, Iowa State College, compassman. At \$70 per month.
2. Robert Camp, Colorado College, estimator, at \$70 per month.
3. Weston Donehower, University of Minnesota, estimator, at \$70 per month.
4. H. A. Lucas, Oregon Agricultural College, compassman, at \$80 per month.
5. W. B. Manlove, Oregon Agricultural College, compassman and Assistant Chief of Party, at \$100 per month.
6. Lyall E. Peterson, University of Minnesota, estimator, September 11 to September 26, at \$70 per month.
7. Arthur Rettman, Oregon Agricultural College, estimator, at \$70 per month.
8. Milton R. Salls, Syracuse University, compassman, at \$70 per month.
9. Charles M. Swanson, Iowa State College, compassman, at \$70 per month.
10. Louis Tausch, Syracuse University, control work and estimator, at \$70 per month.
11. Richard H. Tubman, Colorado College, compassman, at \$70 per month.

Kenneth Dodge, a young man with high school training, was hired locally and served a few days at the end of the project. Likewise, Waldemar R. Anderson, University of Minnesota, served on the party as estimator a short while at the beginning of the project, before being transferred as assistant ranger to the Olympic Forest.

### Location and Area

With the exception of marginal strips on the ridges, the project area is in the Middle Fork John Day River watershed. Indian Creek and Big Creek each drain about equal portions of the tract and have a flow of water throughout the entire year.

The nearest postoffice is at Galena, which is situated on the Middle Fork about 22 miles northwest of Austin, the latter town being on the John Day River Highway and is the nearest trading point to the tract. Austin is also the terminal point for steam train service on the Sumpter Valley Railway, although rails are in place as far as Prairie City, the transportation over that section of the line being with gasoline motors.

The tract is more definitely described as occupying all the National Forest acreage in Middle Fork John Day drainage in all or portions of the following townships:

T 8 S. R 31 E, W.M.

T 8 S. R 32 E, W.M.  
T 9 S, R 32 E, W.M.  
T 9 S, R 33 E, W.M.

The work was confined as much as possible to the National Forest lands and as a result, patented lands were cruised and mapped only when in small isolated tracts so situated that it was necessary to cross them when running the strip surveys for the government lands. The patented forties cruised are indicated on the township estimate plats by an encircled P, thus: (P).

The total acreage covered is:

National forest lands –	21,746 acres
Patented lands	<u>720</u> “
<u>Total</u> -	22,466 acres

Unit Divisions

Four block subdivisions have been recognized in this project, namely: Indian Creek, Big Creek, Galena and Desolation. The boundaries of these blocks are shown on the frontispiece map, but it is not possible to show the compartment boundaries on so small a scale, therefore for full detail concerning the locations of these unit boundaries reference should be made to the four-inch-to-the-mile township estimate plats, which are prepared in connection with this report.

Indian Creek Block, comprised of 8,975 acres of government land and an additional acreage of 726 acres of patented lands, occupies the northwest portion of the project. It is divided into 10 compartments, ranging in size from 168 acres in Compartment No. 1 to 1,940 acres represented in Compartment No. 7.

Big Creek Block is divided into 10 compartments also, the smallest one being No. 8 with 131 acres and the largest having 1,586 acres. The entire block consist of 9,671 acres and occupies the central portion of the project area.

Galena Block is at the south end of the project and includes a portion of the area covered in the 1912 reconnaissance project by Hastings. That portion of the block covered in this report is divided into 4 compartments ranging in size from 245 acres for Compartment No. 1 to 740 acres in Compartment No. 4, the entire portion represented in this block in this report being 2,309 acres.

Desolation Block is that portion of the project area situated in the North Fork John Day River drainage and is composed of several small acreages, which were covered simply in rounding out the cruising work on a forty or other legal subdivision. No compartment divisions were made in this block.

Status and Ownership

The location of the alienated lands is shown on the township plats prepared in connection with this report, as well as on the small-scale frontispiece map. Most of the patented timberland is owned by the Oregon Lumber Company and no doubt will be logged by them at a future time.

On some of the patented lands there are abandoned homes in run-down condition and indications are that they have not been occupied for several years. The John Day Stock Company has grazing rights on most of these lands. They have kept up the fences wherever they desired to raise hay in the small fields.

The Government has no improvements of any kind within the project area.

The acreage of all patented lands is summarized in the first column of the tabulation "Acreage of Forest Types" which appears later in this report, and is briefly summarized as follows:

Block Name	Acreage of Ownership		
	Government	Patented	Total
Indian Creek	8,975	726	9,701
Big Creek	9,671	2,341	12,012
Galena	2,308	1,351	3,659
Desolation	791	80	871
Totals	21,745	4,498	28,243

## II – Field Work and Computations

### Control Methods

All the lines for both horizontal and vertical control were established in accordance with the special instructions issued by the Office of Engineering. Base lines for control were established by retracing, with chain and compass, the G.L.O. survey lines and marking thereon stations for starting and checking points for the strip surveys. The lines retraced are indicated on the frontispiece map. Elevations of the stations along these lines were determined with Paulin Altimeter readings, corrected for variations as determined by readings in camp.

Elevations were established along the road leading to Big Spring Ranger Station and along some of the control lines across Indian Creek watershed by means of transit and stadia, starting and checking points being U. S. G. S. bench marks. Suitable points were marked along the transit line to be used for setting and checking the altimeters which were carried along the section lines retraced, and in many instances these markers were used as checking points for the vertical control on the strip surveys.

Horizontal positions along the strip surveys were determined by pacing, using a Forest Service standard compass, mounted on staff, for alignment. Elevations along the lines of strip survey were determined with aneroid barometer, after adjustments were made for any possible error determined at time of closing in on the control lines.

### Cruising Methods

Whenever it was necessary to cross-patented lands on the strip surveys, it was customary to map and cruise them. However, the timber volume pertaining to these lands has not been carried into the tabulations in this report and it will be necessary to refer to the Supervisor's files for this information.

All the areas of merchantable western yellow pine were cruised on a 10 per cent basis, running two strips through each forty. In the white-fir-larch-Douglas fir type and non-commercially timbered areas the cruising was on a 5 per cent basis by taking one chain widths trip through each forty.

The acreages of government land covered by these degrees of intensiveness are as follows:

10% cruise –	18,626 acres
5% “ -	<u>3,120</u> “
Total -	21,746 acres

Ponderosa pine trees, 12 inches and over d.b.h. were tallied by 2-inch diameter classes in log length heights, the tally being kept separate for mature and immature age classes. Species other than ponderosa pine were tallied by 2-inch diameter sizes only.

### Office Computations

With the exception of a small amount of computing done in the field for check cruises on general supervision work, all the computations and compilations were made in the Regional Office. Some of these compilation tables appear at the back of this report and others on the township estimate plats.

The B.M. volume of ponderosa pine sawtimber was computed separately for mature and immature age classes. The immature age class corresponds closely to the class of trees which are reserved in selective marking and therefore represents about what will be left after cutting.

The B.M. volume of all species other than ponderosa pine was computed as of one age class.

A summary of the timber estimates by blocks appears in Table No. 4 at the back of this report.



Volume Tables Used

For mature ponderosa pine sawtimber there was used the Forester’s Table, Washington Office, 1930, arranged for log length height classes. The second growth ponderosa pine table, by Hanzlik, December, 1928, was used for computing the immature sawtimber volume.

Douglas fir, western larch and white fir were compiled from tables used in the compilation of estimates for the Malheur River project in 1927.

The B.M. volumes, by d.b.h. classes, for the associated species are given in Table No. 1, which follows:

Table No. 1  
Volume Tables for associated species.

D.B.H. Inches	Timber Volume, Feet B.M., by Species				
	LP	DF	WL	ES	WF
12	8	7	9	5	Use same table as for Douglas fir and compute for diameters 12" -26". Inclusive, only.
14	15	10	13	10	
16	18	14	20	16	
18	23	20	28	24	
20	30	28	40	34	
22	40	36	52	46	
24	52	46	65	62	
26	66	60	81	86	
28		75	99	113	
30		90	119	141	
32		110	146	169	
34		130	164		
36		142	190		
38		173	214		
40		197	242		
42		220	267		
44		260	293		
46		300	318		
48			343		
50			368		
52			396		
54			426		
56			456		
58			486		
60			516		

Defect and Breakage Factors

No deduction for defect or breakage has been computed for the immature class of ponderosa pine sawtimber. A flat deduction of 5% was made in the mature ponderosa pine sawtimber to allow for both defect and breakage. In the associated species, this deduction ranges from 5% to 25% depending upon the condition of the timber and the topography and character of the ground surface.

### III – Silvicultural Description

#### Forest Types

Ponderosa pine type- In the mature age class of this type there are trees of all age classes and a selection method of cutting is recommended. As a whole the stand is of fair density, being quite evenly spaced in some sites and more or less grouped in others. Only small acreages of pure ponderosa pine stands occur on the project and it is customary to find Douglas fir and white fir quite generally distributed, and occasionally some western larch.

The acreage covered by this type is variable for the several management units, as will be seen in the tabulations of Forest Type Acreages at the back of this report. The percentage covered in each unit is briefly summarized as follows:

<u>Block Name</u>	<u>Percentage of Acreage in Ponderosa Pine Type</u>
Big Creek	52%
Indian Creek	57%
Galena	57%
Desolation	77%
For the Project -	55%

There is a slight variation in the proportion of the mature age class by units, but for the project as a whole it is about ¾ of the acreage in the type.

The average per acre stand of timber throughout the mature age class (150 years plus) was obtained by a selection of the timber estimate sheets applicable to the type in all parts of the project. The acreage represented by the estimate sheets selected is about 10 per cent of the entire acreage in the type. The results of the computations for this sample acre are shown in Table No. 2, which follows:

Table No. 2  
Sample Acre Mature Ponderosa Pine Type (P-4)

D.B.H. Inches	NUMBER OF TREES							Total
	Mature P	Immature P	Lodgepole Pine	Douglas Fir	White Fir	Western Larch	Engelmann Spruce	
4" - 7"	.073	4.866	.511	2.716	.616	.437	.008	9.227
8" - 11"	.097	3.925	.251	1,954	.348	.356	.008	6.939
12	.219	2.069	324	.422	.040	.300	-	3.374
14	.186	1.364	-	.162	.024	.243	.016	1.995
16	.349	1.160	-	.268	.008	.195	-	1.980
18	.292	.891	-	.170	.024	.089	-	1.466
20	.397	.576	-	.121	.040	.065	-	1.199
22	.592	.535	-	.186	.032	.024	-	1.369
24	.762	.332	-	.154	.024	.032	.008	1.312
26	.746	.349	-	.138	-	.032	-	1.265
28	.624	.186	-	.065	-	.040	-	.915
30	.892	.105	-	.081	-	-	-	1.078
32	.754	.097	-	.138	-	-	-	.989
34	.446	.032	-	.016	-	-	-	.494
36	.422	.016	-	.065	-	-	-	.503
38	.268	.008	-	.024	-	-	-	.300
40	.260	.016	-	.008	-	-	-	.284

D.B.H. Inches	NUMBER OF TREES							Total
	Mature P	Immature P	Lodgepole Pine	Douglas Fir	White Fir	Western Larch	Engelmann Spruce	
42	.146	-	-	-	-	-	-	.146
44	.065	.008	-	.016	-	-	-	.089
46	.049	-	-	.016	-	-	-	.065
48	.041	-	-	.008	-	-	-	.049
50	.024	-	-	.008	-	-	-	.032
54	.016	-	-	-	-	-	-	.016
56	.008	-	-	-	-	-	-	.008
Total Merch. Trees	7.558	7.744	0.324	2.066	.192	1.020	.024	18.928
Gross Vol. Ft. B.M.	8,131	1,523	3	968	45	319	7	10,996
Avg. Vol. Per Tree, Ft. B. M.	1,076	197	9	468	234	313	917	459

White fir-larch-Douglas fir type – In this type there is a mixture of all species found on the project and the ponderosa pine occurring in it is found usually near the outer edges, or in the drier sites. The type prevails on the cool, northerly exposures and in the higher elevations along the water courses. The trees in this type are of sawtimber size, but being of the species for which there is a very small market demand, there is little likelihood that there will be logging in it in the near future.

Lodgepole pine type – Two age classes of this type occur on the project. The acreage in each age class is about equally divided between mature and immature. There are only a very small number of trees of saw log size in this type and logging cannot be done profitably. On areas classified as of this type, the cord volume as well as the B.M. volume has been computed. The cord volume includes the poles of both diameter classes. Less than 2 per cent of the total area covered is in this type.

Non-timbered types – About 15 per cent of the total area covered has been classified as non-timbered, which is briefly summarized as follows:

<u>Type</u>	<u>Acreage</u>
Juniper	521
Mountain Mahogany	119
Brush	63
Grass	2415
Barren	<u>52</u>
Total	3170

#### Site Classification

The classification of Site Quality ranges from III to VI, the greater portion of the acreage falling in Site IV. The poorer sites are on the steep, dry, rocky, southerly exposures and on the ridge summits wherever the soil is shallow. Juniper and mountain mahogany type areas are classified as Site VI and the other non-timbered types are not classified.

The acreage percentage, considering only the timber types and the woodland types, is indicated for each compartment in the summaries at the bottom of the timber estimate plats which have been prepared in connection with the work on this project.

## Description of Timber

Ponderosa pine – Saw logs of this species will average about 5 logs per M. ft. B.M. By reference to Table No. 2 it will be noticed that the average volume of trees of all species is stated. The pine trees average more than five logs in height and are quite sound, although there is a small amount of defect caused by stump rot, pitch, fire scars and spike tops. It is estimated that the quality of the pine timber will cut from 15% to 20% No. 2 logs and better.

White Fir – The B.M. volume tabulated for this species is computed for trees 12 to 24 inches d.b.h. Many of the trees of this species attain diameter sizes of 42 inches and occasionally more, but trees of such large size are worthless for lumber because of conk rot or windshake. The defect in the larger trees is so pronounced that all trees 26 inches and more in diameter were tabulated by numbers only, under the classification of diseased trees.

Douglas fir – The trees of this species are quite sound and thrifty. The average height is about the same as in the pine trees. Trees have a rather long crown leaving only a short clear length of the trunk in the butt log. Many of the trees are of large diameter sizes – 48 inches or more d.b.h. – and have rapidly tapering trunks. A small amount of clear lumber may be cut from the larger of the butt logs, but not in appreciable quantities. It is best suited for rough boards and dimension materials.

Reproduction – The density of stand of the reproduction varies from scant to dense and averages about two thirds. On many of the poorer sites the reproduction is practically absent, due, no doubt, to the extremely shallow, dry condition of the soil. Here, apparently, many of the seedlings get a good start and thrive during the spring and early summer while there is an abundance of rainfall and the soil retains sufficient moisture, but by midsummer the moisture has left and the young trees dies. Where the soil is deep and moist there is always a good stand of reproduction and this is especially true in the white fir-larch-Douglas fir type.

The amount of reproduction in poles, by two diameter classes for each species, is given in Table No. 5 at the back of this report.

## Silvicultural Management

As indicated by the sample acre stand, Table No. 2, the immature pine trees form about 16% of the volume of ponderosa pine sawtimber. There is about an equal number of trees of merchantable saw log size of immature age, as there is of mature timber. This proportion of trees of the younger age class is an index of what may be left at the time of cutting. Care should be taken to preserve as many as possible of the smaller poles and saplings now existing, whenever cutting is done.

No special provisions need be made to preserve scenic strips or natural areas, since there are no highways or resorts on the tract. A selection form of cutting as now practiced in the ponderosa pine regions is recommended.

## Injurious Factors

Mistletoe – Mistletoe is noticeable in the ponderosa pine and in the Douglas fir trees growing in thin stands on the poorer sites. It is apparently of only normal occurrence and nowhere exists to an alarming extent.

Beetles – The tract is comparatively free from beetle damage in both the ponderosa pine and lodgepole pine species. There are no areas of heavy beetle damage and nowhere is the activity more than normally found in the Blue Mountain region.

## Growth and Yield Data

All the ponderosa pine trees were tallied in two age classes, as mature or immature. Trees of other species were tallied as of one age class. Poles of each 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 Table No. 5 at the back of this report. The sample acre stand, Table No. 2, preceding this, contains information pertaining to the distribution of the species and densities of the various diameter classes.

#### IV – Logging Data

No quality strips were run on the project; however, it is estimated that the ponderosa pine timber will yield about 15 per cent No. 2 logs and better. The average merchantable size tree of mature ponderosa pine is 1076 ft. B.M., which is about 36 inches d.b.h. A small portion of the immature trees may be removed from some areas, but on the whole the proportion of these to the mature timber is no greater than what is usually reserved in marking practice. Therefore, the loggable stumpage is pretty well limited to the mature ponderosa pine, which runs a little more than 8000 feet per acre in the mature pine type.

The topography throughout most of the project is quite broken with numerous draws and ridges. The stream beds are, however, of sufficient width to allow for the construction of road bed and for the most part a satisfactory grade may be followed along them. In some cases, as for instance at the head of Indian Creek watershed, it will be necessary to construct switchbacks in order to reach all the timber with railroad. Most likely the tract will be opened up first in Galena and Big Creek blocks in connection with the removal of timber from the Susanville region. In that case, it would seem logical that the tap line will keep within the timbered areas, although it would then cut right across the drainage of the tract. There is not a great deal of timberland outside the Forest boundary and therefore no advantage in keeping the railroad on lower ground. Much of the river bed below the point where the Middle Fork leaves the Forest is narrow with steep side walls and considerable rock, so that road construction there would be expensive besides necessitating a long haul than were the line kept on higher ground in the timbered portions. The Oregon Lumber Company owns the patented timberland in Indian Creek drainage, and would naturally be the operator most interested in a sale of the government timber. However, it is anticipated that it will be many years before they would tap the project area, because in all likelihood they would first complete an operation in Camp Creek drainage, where they own a very large portion of the timbered area. Naturally, then, any tap line railroad into the region would be by way of the Middle Fork John Day River Valley connecting with the Sumpter Valley Railroad at Bates.

#### V – Statistical Summary

##### Acreage of Forest Types

This summary of acreages of forest types and age classes is indicated for the National Forest lands in Table No. 3. This table is so arranged that a separate total may be obtained for each portion of section, township and unit subdivision. The acreage of alienated lands also is summarized in these tabulations.

##### Timber Estimate

Only the National Forest timber estimates are tabulated, and the arrangement of the management units corresponds to that of the preceding tables. In addition to the timber estimate, these summaries show the number of diseased white fir trees, the cord volumes of lodgepole pine and western juniper, and also the number of snags segregated into four diameter classes. These data are shown under Table No. 4.

##### Poles

Table No. 5 pertains to the summaries of the number of poles by two diameter classes, namely 4" – 7" and 8" – 11" d.b.h. arranged in form similar to the two preceding tables.

##### Project Timber Summary

A brief summary of the timber estimate by block totals is contained in Table No.6.

**Table No. 3**  
**Acreage Summary of Forest Types**  
**Middle Fork John Day River Working Circle**  
**BIG CREEK BLOCK**

Township & Section Numbers	Alienated Land Acres	Ponderosa Pine				Western Fir – Larch-Douglas Fir			Lodgepole Pine		Juniper Acres	Mountain Mahogany Acres	Brush Acres	Grass Acres	Barren Acres	Net. N.F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	FL-1 Acres	LP-2 Acres	LP-1 Acres						
T 8 S, R.32 E, W.M.						<b>Compartment No.1</b>										
27	-	39.40	8.00	-	-		-	-	-	-	2.00	-	-	1.00	-	50.40
33	-	-	8.00	-	-		-	-	-	-	15.00	-	-	75.00	-	98.00
34	-	296.00	97.00	3.00	-	87.00	-	-	-	-	4.00	-	-	80.00	-	567.00
35	-	173.00	49.00	-	-	240.00	-	-	2.00	-	19.00	23.00	-	46.00	-	552.00
Portion of Twp. Totals	-	508.40	162.00	3.00	-	327.00	-	-	2.00	-	40.00	23.00	-	202.00	-	1,267.40
T 9 S, R. 32 E, W.M.																
1	-		-	-	-	99.04	-	-	-	-	-	4.00	-	2.00	-	105.04
2	-	18.26	-	-	-	30.19	-	-	-	-	-	-	-	-	-	48.45
Portion of Twp. Totals	-	18.26	-	-	-	129.23	-	-	-	-	-	4.00	-	2.00	-	153.49
<b>COMPARTMENT NO. 1 TOTALS</b>	-	526.66	162.00	3.00	-	456.23	-	-	2.00	-	40.00	27.00	-	204.00	-	1,420.89
T 8 S., R. 32 E, W.M.						<b>Compartment No. 2</b>										
34	-	29.00	18.00	-	-		-	-	-	-	4.00	-	-	-	-	51.00
35	-	-	13.00	-	-		-	-	-	-	-	-	5.00	-	-	18.00
Portion of Twp. Totals	-	29.00	31.00	-	-		-	-	-	-	4.00	-	5.00	-	-	69.00
T 9 S, R 32 E, W.M.																
2	-	11.00	-	-	-		-	-	-	-	-	-	-	10.60	-	21.60
3	-	155.50	124.80	3.60	-	8.51	-	-	-	-	-	-	-	189.87	-	482.28
Portion of Twp. Totals	-	166.50	124.80	3.60	-	8.51	-	-	-	-	-	-	-	200.47	-	503.88
<b>COMPARTMENT NO. 2 TOTALS</b>	-	195.50	155.80	3.60	-	8.51	-	-	-	-	4.00	-	5.00	200.47	-	572.88
T 9 S, R 32 E, W.M.						<b>Compartment No. 3</b>										
1	-	115.60	26.00	-	-	281.68	-	-	4.80	-	42.80	5.60	-	52.40	6.40	535.28
2	-	338.13	-	-	-	135.20	-	-	-	-	8.00	21.00	-	680.80	-	571.13
3	-	44.00	-	-	1.00	18.20	-	-	-	-	-	2.40	-	94.40	-	160.00
11	-	5.00	-	-	-	46.00	-	-	-	-	1.60	-	-	-	-	52.60
12	-	20.80	4.80	-	-	195.20	-	-	-	-	13.80	3.60	-	16.00	-	254.20
<b>COMPARTMENT NO. 3 TOTALS</b>	-	523.53	30.80	-	1.00	676.28	-	-	4.80	-	66.20	32.60	-	231.60	6.40	1,573.21
T 9 S, R 32 E, W.M.						<b>Compartment No. 4</b>										
12	160.00	71.20	9.00	-	-	12.00	-	-	-	-	36.00	12.00	-	-	-	140.20
13 & 24	1,010.00	(No	Gov't	Acreage	-		-	-	-	-	-	-	-	-	-	-
Portion of Twp. Totals	1,170.00	71.20	9.00	-	-	12.00	-	-	-	-	36.00	12.00	-	-	-	140.20
T 9 S, R 35 E, W.M.																
7	-	230.00	9.00	-	-	101.00	-	-	-	-	21.00	25.00	-	-	-	386.00
17	-	-	45.00	-	-	64.00	-	-	-	-	-	-	-	4.00	-	109.00
18	-	121.00	65.00	-	-	321.00	-	-	-	-	-	-	-	-	-	509.00
19	20.19	32.00	69.23	-	-		-	-	-	-	-	-	-	-	-	101.23
Portion of Twp. Totals	20.19	383.00	186.23	-	-	486.00	-	-	-	-	21.00	25.00	-	4.00	-	1,105.23

Township & Section Numbers	Alienated Land Acres	Ponderosa Pine				Western Fir – Larch-Douglas Fir			Lodgepole Pine		Juniper Acres	Mountain Mahogany Acres	Brush Acres	Grass Acres	Barren Acres	Net. N.F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	FL-1 Acres	LP-2 Acres	LP-1 Acres						
COMPARTMENT NO. 4 TOTALS	1,190.19	454.20	195.23	-	-	498.00	-	-	-	-	57.00	37.00	-	4.00	-	1,245.43
T 9 S, R 32 E, W.M.						<b>Compartment No. 5</b>										
11	80.00	134.00	49.20	14.80	-	8.80	-	-	-	-	24.80	5.60	-	270.20	-	507.40
12	-	60.20	7.00	-	-	2.00	-	-	-	-	7.00	9.40	-	-	-	85.60
14	40.00	54.80	6.00	24.00	-	-	-	-	-	-	-	-	-	113.20	-	198.00
COMPARTMENT NO. 5 TOTALS	120.00	249.00	62.20	38.80	-	10.80	-	-	-	-	31.80	15.00	-	383.40	-	791.00

Table No. 3 (Continued)

Acres Summary of Forest Types – Middle Fork John Day River Working Circle – BIG CREEK BLOCK

Township & Section Numbers	Alienated Land Acres	Ponderosa Pine				Western Fir- Larch – Douglas Fir			Lodgepole Pine		Juniper Acres	Mountain Mahogany Acres	Brush Acres	Grass Acres	Barren Acres	Net. N.F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	FL-1 Acres	LP-2 Acres	LP-1 Acres						
T 9 S, R 32 E, W.M.						<b>Compartment No. 6</b>										
14	-	216.20	4.20	86.00	-	-	-	-	-	-	-	-	-	95.60	-	402.00
23	-	71.00	-	23.80	16.20	22.00	-	-	-	-	-	-	-	10.00	-	143.00
COMPARTMENT NO. 6 TOTALS	-	287.20	4.20	109.80	16.20	22.00	-	-	-	-	-	-	-	105.60	-	545.00
T 9 S, R 32 E, W.M.						<b>Compartment No. 7</b>										
23	100.00	225.40	6.00	10.00	20.00	39.60	-	-	-	-	-	-	-	76.00	-	377.00
26	-	54.80	6.40	4.00	-	6.00	-	-	-	-	-	-	-	32.80	-	104.00
COMPARTMENT NO. 7 TOTALS	100.00	280.20	12.40	14.00	20.00	45.60	-	-	-	-	-	-	-	108.80	-	481.00
T 9 S, R 32 E, W.M.						<b>Compartment No. 8</b>										
23 & 24 *	210.00	41.00	-	-	-	34.00	-	-	-	-	-	4.00	-	1.00	-	80.00
25 & 26 *	300.00	5.00	2.00	-	-	-	-	-	-	-	-	-	-	4.20	-	11.20
Portion of Totals	510.00	46.00	2.00	-	-	34.00	-	-	-	-	-	4.00	-	5.20	-	91.20
T 9 S, R 33 E, W.M.						<b>Compartment No. 8</b>										
19 * & 30	80.55	3.00	-	-	-	37.29	-	-	-	-	-	-	-	-	-	40.29
COMPARTMENT NO. 8 TOTALS	590.55	49.00	2.00	-	-	71.29	-	-	-	-	-	4.00	-	5.20	-	131.49
T 9 S, R 33 E, W.M.						<b>Compartment No. 9</b>										
16	-	9.00	176.00	-	-	10.00	-	-	-	-	-	-	-	-	-	195.00
17	-	24.00	430.00	-	-	73.00	4.00	-	-	-	-	-	-	-	-	531.00
18	40.00	50.00	38.00	-	-	5.00	-	-	-	-	-	-	-	-	-	93.00
19	180.00	146.80	32.00	-	-	-	-	-	4.00	4.00	-	-	-	-	-	186.80
20	-	78.00	87.00	-	-	42.00	109.00	-	-	3.00	-	-	-	-	-	319.00
COMPARTMENT NO. 9 TOTALS	220.00	307.80	763.00	-	-	130.00	113.00	-	4.00	7.00	-	-	-	-	-	1,324.80
T 9 S, R. 33 E W.M.						<b>Compartment No. 10</b>										
19	-	-	3.00	-	-	24.00	-	-	21.00	62.20	-	-	-	3.00	-	113.20
20	-	29.00	170.00	-	-	90.00	-	-	-	32.00	-	-	-	-	-	321.00
29	80.00	91.00	70.00	-	-	357.00	-	-	3.00	34.00	-	-	-	5.00	-	560.00
30	40.00	172.09	-	-	-	155.00	-	-	-	30.00	-	-	-	2.00	-	359.09
31	-	-	10.00	-	-	44.00	-	-	-	6.00	-	-	-	-	-	60.00
32	-	13.00	12.00	-	-	115.40	-	-	26.00	-	-	-	-	6.00	-	172.40

Township & Section Numbers	Alienated Land Acres	Ponderosa Pine				Western Fir-Larch – Douglas Fir			Lodgepole Pine		Juniper Acres	Mountain Mahogany Acres	Brush Acres	Grass Acres	Barren Acres	Net. N.F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	FL-1 Acres	LP-2 Acres	LP-1 Acres						
COMPARTMENT NO.10 TOTALS	120.00	305.09	265.00	-	-	785.40	-	-	50.00	164.20	-	-	-	16.00	-	1,585.69
BIG CREEK BLOCK TOTALS (10 Compartments) * Contains Government Acreage	2,340.74	3,178.18	1,652.63	169.20	37.20	2,704.11	113.00	-	60.80	171.20	199.00	115.60	5,00	1,259.07	6.40	9,671.39

INDIAN CREEK BLOCK

Township and Section Numbers	Alienated Land Acres	Ponderosa Pine				Western Fir-Larch- Douglas Fir			Lodgepole Pine		Juniper Acres	Mountain Mahogany Acres	Brush Acres	Grass Acres	Barren Acres	Net. N.F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	FL-1 Acres	LP-2 Acres	LP-1 Acres						
T 8 S, R 31 E, W.M.						<b>Compartment No. 1</b>										
23	-	16.00	13.00	-	-	-	-	-	-	-	-	-	-	18.00	-	47.00
24	-	17.00	-	-	-	-	-	-	-	-	-	-	-	-	-	17.00
25	40.00	55.00	24.00	-	6.00	-	-	-	-	-	19.00	-	-	-	-	104.00
COMPARTMENT NO. 1 TOTALS	40.00	88.00	37.00	-	6.00	-	-	-	-	-	19.00	-	-	18.00	-	168.00
T. 8 S, R 31 E, W.M.						<b>Compartment No. 2</b>										
24	-	156.00	72.00	-	-	73.00	-	-	-	-	-	-	-	-	3.00	304.00
25	40.00	81.00	26.00	4.00	8.00	13.00	-	-	-	-	-	-	-	4.00	-	136.00
Portion of Twp. Totals	40.00	237.00	98.00	4.00	8.00	86.00	-	-	-	-	-	-	-	4.00	3.00	440.00
T 8 S, R 32 E, W.M.																
19	82.19	(No Gov't Acreage)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	323.90	3.00	62.00	-	-	38.20	-	-	-	-	-	-	-	-	-	103.20
Portion of Twp. Totals	406.09	3.00	62.00	-	-	38.20	-	-	-	-	-	-	-	-	-	103.20
COMPARTMENT NO. 2 TOTALS	446.09	240.00	160.00	4.00	8.00	124.20	-	-	-	-	-	-	-	4.00	3.00	543.20
T 8 S, R 32 E, W.M.						<b>Compartment No. 3</b>										
7	-	52.80	-	-	-	1.00	-	-	-	-	-	-	-	-	-	53.80
17	-	37.00	-	-	-	19.00	-	-	-	-	-	-	-	-	-	56.00
18	-	273.00	7.00	-	-	195.87	-	-	-	-	7.00	-	-	-	-	482.87
19	148.00	194.00	17.00	6.00	-	40.00	-	-	-	-	-	-	-	4.00	-	261.00
COMPARTMENT NO. 3 TOTALS	148.00	556.80	24.00	6.00	-	255.87	-	-	-	-	7.00	-	-	4.00	-	853.67
T 8 S, R 32 E, W.M.						<b>Compartment No. 4</b>										
7	-	24.40	-	-	-	200	-	-	-	-	-	-	-	-	-	26.40
8	-	133.80	44.00	-	-	21.00	-	-	-	-	-	-	-	-	-	198.80
9	-	49.20	16.00	-	-	-	-	-	-	-	-	-	-	-	-	65.20
16	-	209.00	-	-	-	172.80	-	-	-	-	-	-	-	19.00	-	400.80
17	-	221.00	85.00	-	-	272.00	-	-	51.00	3.00	3.00	-	-	5.00	-	640.00
18	-	9.00	-	-	-	2.00	-	-	-	-	-	-	-	-	-	11.00
20	-	45.00	-	-	-	30.00	-	-	-	-	-	-	6.00	-	-	81.00
21	-	35.00	3.00	-	-	30.80	-	-	-	-	-	-	4.00	-	-	72.00
COMPARTMENT NO. 4 TOTALS	-	726.40	148.00	-	-	530.60	-	-	51.00	3.00	3.00	-	10.00	24.00	-	1,496.00
T 8 S, R 32 E, W.M.						<b>Compartment No. 5</b>										
19	92.00	19.20	13.00	18.00	3.00	-	8.00	-	-	-	-	-	-	-	-	61.20
20	-	249.00	20.00	15.00	1.00	99.00	2.00	-	-	-	5.00	-	8.00	-	-	399.00
21	-	31.00	58.00	25.00	10.00	53.00	-	-	-	-	-	-	35.00	8.00	-	220.00
30	-	32.00	-	1.00	-	14.80	-	-	-	-	30.00	1.00	-	-	-	78.80



Township and Section Numbers	Alienated Land Acres	Ponderosa Pine				Western Fir- Larch- Douglas Fir			Lodgepole Pine		Juniper Acres	Mountain Mahogany Acres	Brush Acres	Grass Acres	Barren Acres	Net. N.F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	FL-1 Acres	LP-2 Acres	LP-1 Acres						
COMPARTMENT NO. 5 TOTALS	92.00	331.20	91.00	59.00	14.00	166.80	10.00	-	-	-	35.00	1.00	43.00	8.00	-	759.00
T 8 S, R 32 E, W.M.						<b>Compartment No. 6</b>										
20	-	64.00	8.00	22.00	-	-	-	-	-	-	66.00	-	-	-	-	160.00
21	-	64.20	-	-	10.00	5.00	-	-	-	-	-	-	-	-	-	79.20
28	-	212.80	-	-	15.00	91.00	1.00	-	-	-	20.00	-	-	5.00	-	344.80
29	-	193.00	22.00	17.00	13.00	229.20	-	-	-	-	52.00	-	-	46.00	-	572.20
30	-	15.00	13.00	3.00	-	52.20	-	-	-	-	4.00	-	-	-	-	87.20
32	-	20.00	15.00	10.00	-	-	14.00	-	-	-	-	-	-	-	-	59.00
33	-	12.00	-	-	-	3.00	63.00	-	-	-	-	-	-	7.00	-	85.00
COMPARTMENT NO. 6 TOTALS	-	581.00	58.00	52.00	38.00	380.40	78.00	-	-	-	142.00	-	-	58.00	-	1,387.40

TABLE NO. 3 (Continued) INDIAN CREEK BLOCK

Township and Section Numbers	Alienated Land Acres	Ponderosa Pine				Western Fir-Larch- Douglas Fir			Lodgepole Pine		Juniper Acres	Mountain Mahogany Acres	Brush Acres	Grass Acres	Barren Acres	Net. N.F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	FL-1 Acres	LP-2 Acres	LP-1 Acres						
T 8 S, R 32 E, W.M.						<b>Compartment No. 7</b>										
22	-	101.80	15.00	-	-	2.00	-	-	-	-	-	-	-	-	-	118.80
23	-	169.00	25.20	-	-	15.00	-	-	-	-	-	-	-	-	-	207.20
26	-	212.00	29.00	-	-	355.00	-	-	-	-	32.00	-	5.00	7.00	-	640.00
27	-	310.00	46.00	1.00	-	225.60	-	-	-	-	-	2.00	-	5.00	-	589.60
28	-	207.20	-	-	-	68.00	-	-	-	-	12.00	-	-	-	-	287.20
33	-	5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	5.00
34	-	3.00	-	-	-	19.00	-	-	-	-	-	-	-	-	-	22.00
35	-	10.00	12.00	-	-	46.00	-	-	-	-	2.00	-	-	-	-	70.00
COMPARTMENT NO. 7 TOTALS	-	1,018.00	125.20	1.00	-	730.60	-	-	-	-	46.00	2.00	5.00	12.00	-	1,939.80
T 8 S, R 32 E, W. M.						<b>Compartment No. 8</b>										
28	-	-	-	-	-	-	-	-	-	-	8.00	-	-	-	-	8.00
32	-	-	4.00	-	-	-	-	-	-	-	-	-	-	32.00	-	36.00
35	-	75.00	76.00	-	-	-	-	-	-	-	33.00	-	-	291.00	-	475.00
COMPARTMENT NO. 8 TOTALS	-	75.00	80.00	-	-	-	-	-	-	-	41.00	-	-	323.00	-	519.00
T 8 S, R 32 E, W.M.						<b>Compartment No. 9</b>										
29	-	-	10.00	-	-	-	-	-	-	-	-	-	-	58.80	-	68.80
30	-	15.00	-	5.00	-	-	-	-	-	-	-	-	-	30.80	-	50.80
31	-	66.00	12.00	8.00	-	19.00	-	-	-	-	-	-	-	101.00	-	206.00
32	-	66.00	8.00	12.00	-	-	-	-	-	-	29.00	-	-	430.00	-	545.00
COMPARTMENT NO. 9 TOTALS	-	147.00	30.00	25.00	-	19.00	-	-	-	-	29.00	-	-	620.60	-	870.60
T 8 S, R 32 E, W.M.						<b>Compartment No. 10</b>										
31	-	224.12	70.00	44.00	11.00	76.00	4.00	-	-	-	-	-	-	9.00	-	438.12
COMPARTMENT NO.10 TOTALS	-															
INDIAN CREEK BLOCK TOTALS (10 Compartments)	726.09	3,987.52	823.20	191.00	77.00	2,283.47	92.00	-	51.00	3.00	322.00	3.00	58.00	1,080.60	3.00	8,974.79

GALENA BLOCK – Table No. 3.

Township and Section Numbers	Alienated Land Acres	Ponderosa Pine				Western Fir-Larch- Douglas Fir			Lodgepole Pine		Juniper Acres	Mountain Mahogany Acres	Brush Acres	Grass Acres	Barren Acres	Net. N.F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	FL-1 Acres	LP-2 Acres	LP-1 Acres						
T 9 S, R 32 E, W. M.						<b>Compartment No. 1</b>										
25	184.00	(No Gov't	Acreage)	22.40	-	-	-	-	-	-	-	-	-	-	-	-
26	240.00	78.00	98.90	-	-	-	-	-	-	-	-	-	45.50	-	-	244.80
<b>COMPARTMENT NO. 1 TOTALS</b>	<b>424.000</b>	<b>78.00</b>	<b>98.90</b>	<b>22.40</b>	-	-	-	-	-	-	-	-	<b>45.50</b>	-	-	<b>244.80</b>
T 9 S, R 32 E, W. M.						<b>Compartment No. 2</b>										
25	196.00	(No Gov't	Acreage)	-	-	-	-	-	-	-	-	-	-	-	-	-
35	506.00	43.20	68.80	-	-	-	-	-	-	-	-	-	8.00	-	-	120.00
36	68.00	61.20	46.00	-	-	175.80	-	-	-	-	-	-	-	-	-	283.00
Portion of Twp. Totals	770.00	104.40	114.80	-	-	175.80	-	-	-	-	-	-	8.00	-	-	403.00
T 9 S, R 33 E, W. M.																
30	40.33	42.00	4.00	-	-	39.00	36.27	-	-	-	-	-	-	-	-	121.27
31		20.00	-	-	-	11.00	127.80	-	-	-	-	-	-	-	-	158.80
Portion of Twp. Totals	40.33	62.00	4.00	-	-	50.00	164.07	-	-	-	-	-	-	-	-	280.07
<b>COMPARTMENT NO. 2 TOTALS</b>	<b>810.33</b>	<b>166.40</b>	<b>118.80</b>	-	-	<b>225.80</b>	<b>164.07</b>	-	-	-	-	-	<b>8.00</b>	-	-	<b>683.07</b>

Table No. 3 – GALENA BLOCK – (Continued)

Township and Section Numbers	Alienated Land Acres	Ponderosa Pine				Western Fir-Larch- Douglas Fir			Lodgepole Pine		Juniper Acres	Mountain Mahogany Acres	Brush Acres	Grass Acres	Barren Acres	Net. N.F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	FL-1 Acres	LP-2 Acres	LP-1 Acres						
T 9 S, R 32 E, W. M.						<b>Compartment No. 3</b>										
35	14.00	No Gov.	Acreage	-	-	-	-	-	-	-	-	-	-	-	-	-
36	52.00	138.20	83.00	-	-	15.80	-	-	-	-	-	-	-	-	-	237.00
Portion of Twp. Totals	66.00	138.20	83.00	-	-	15.80	-	-	-	-	-	-	-	-	-	237.00
T 9 S, R 33 E, W. M.																
31	50.32	233.20	42.00	-	-	126.80	-	-	-	2.00	-	-	-	-	-	404.00
<b>Compartment No. 3 Totals</b>	<b>116.32</b>	<b>371.40</b>	<b>125.00</b>	-	-	<b>142.60</b>	-	-	-	<b>2.00</b>	-	-	-	-	-	<b>641.00</b>
T 9 S, R 32 E, W. M.						<b>Compartment No. 4</b>										
32	-	131.00	16.00	-	-	264.72	-	-	38.00	10.00	-	-	10.00	-	-	469.72
33	-	146.00	26.00	-	5.00-	54.00	-	-	8.00	11.00	-	-	-	-	-	250.00
34	-		5.00	-	-	4.00	-	-	11.00	-	-	-	-	-	-	20.00
<b>Compartment No. 4 Totals</b>	<b>-</b>	<b>277.00</b>	<b>47.00</b>	-	<b>5.00-</b>	<b>322.72</b>	-	-	<b>57.00</b>	<b>21.00</b>	-	-	<b>10.00</b>	-	-	<b>739.72</b>
<b>GALENA BLOCK TOTALS (4 Compartments)</b>	<b>1,350.65</b>	<b>892.80</b>	<b>389.70</b>	<b>22.40</b>	<b>5.00</b>	<b>691.12</b>	<b>164.07</b>	<b>-</b>	<b>57.00</b>	<b>23.00</b>	<b>-</b>	<b>-</b>	<b>63.50</b>	<b>-</b>	<b>-</b>	<b>2,308.59</b>

JOHN DAY – GRANDE RONDE- WORKING CIRCLE

DESOLATION BLOCK

Township & Section Numbers	Alienated Land Acres	Ponderosa Pine				Western Fir- Larch- Douglas Fir			Lodgepole Pine			Juniper Acres	Mountain Mahogany Acres	Brush Acres	Grass Acres	Barren Acres	Net. N.F. Total Acres
		P-4 Acres	P-3 Acres	P-2 Acres	P-1 Acres	FL-3 Acres	FL-2 Acres	FL-1 Acres	LP-2 Acres	LP-1 Acres	FL-3 Acres						
T 8 S. R. 31 E, W. M.																	
23	40.00	158.00	-	-	-	63.00	-	-	-	-	-	-	-	-	12.00	-	233.00
24	40.00	231.00	29.00	-	-	19.00	-	-	-	-	-	-	-	-	-	-	279.00
Portion of Twp. Totals	80.00	389.00	29.00	-	-	82.00	-	-	-	-	-	-	-	-	12.00	-	512.00
7	-	58.00	-	-	-	4.00	-	-	-	-	-	-	-	-	-	-	62.00
18	-	81.43	-	-	-	28.00	-	-	-	-	-	-	-	-	-	-	109.43
21	-	-	-	-	4.00	50.00	-	-	-	-	-	-	-	-	-	-	54.00
22	-	48.00	-	-	-	6.00	-	-	-	-	-	-	-	-	-	-	54.00
Portion of Twp. Totals	-	187.43	-	-	4.00	88.00	-	-	-	-	-	-	-	-	-	-	279.43
<b>DESOLATION BLOCK TOTALS (Portion)</b>	<b>80.00</b>	<b>576.43</b>	<b>29.00</b>	<b>-</b>	<b>4.00</b>	<b>170.00</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>12.00</b>	<b>-</b>	<b>791.43</b>

PROJECT TOTALS

4 Blocks	2,156.74	8,634.93	2,894.53	382.60	123.20	5,848.70	369.07	-	168.80	197.20	521.00	118.60	63.00	2,415.17	52.40	21,746.20
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TABLE NO. 4

Timber Summary by Sections  
MIDDLE FORK JOHN DAY RIVER WORKING CIRCLE  
BIG CREEK BLOCK

Township & Section Numbers	Area N.F. Acres	M. FEET B.M. FOR SPECIES									Cord Volume		No. of Diseased Trees	NO. OF SNAGS – ALL SPECIES				
		Ponderosa Pine			LP	D	WF	WL	ES	Total	WJ	LP		10"-20"	22"-30"	32"-40"	42"+	Total
		Mature	Immature	Totals														
<b>Compartment No. 1</b>																		
T 8 S, R 32 E, W.M.																		
27	50.40	522	151	673	-	60	1	3	-	737	37	-	7	-	25	8	-	33
33	98.00	84	101	185	-	-	-	-	-	185	-	-	-	4	4	-	7	15
34	567.00	2,007	1,423	3,430	-	407	317	133	9	4,296	22	-	156	289	174	109	30	602
35	552.00	1,718	709	2,427	4	1,125	649	362	128	4,695	248	-	442	831	547	120	15	1,513
Portion of Twp. Totals	1,267.40	4,331	2,384	6,715	4	1,592	967	498	137	9,913	307	-	605	1,124	750	237	52	2,163
T 9 S, R 32 E, W. M.																		
1	105.04	61	35	96	-	498	363	104	4	1,065	3	-	146	720	304	84	-	1,108
2	48.45	40	17	57	-	85	82	12	2	238	37	-	32	112	128	48	-	288
Portion of Twp. Totals	153.49	101	52	153	-	583	445	116	6	1,303	40	-	178	832	432	132	-	1,396
<b>Compartment No. 1 Totals</b>	1,420.89	4,432	2,436	6,868	4	2,175	1,412	614	143	11,216	347	-	783	1,956	1,182	369	52	3,559
<b>Compartment No. 2</b>																		
T 8 S, R 32 E, W. M.																		
34	51.00	210	177	387	-	41	-	20	-	448	-	-	-	38	-	12	4	54
35	18.00	10	43	53	-	6	-	2	-	61	11	-	-	110	-	-	-	110
Portion of Twp. Totals	69.00	220	220	440	-	47	-	22	-	509	11	-	-	148	-	12	4	164
T 9 S, R 32 E, W. M.																		
2	21.60	202	18	220	-	-	-	-	-	220	-	-	-	18	72	18	-	108
3	482.28	1,773	359	2,132	-	121	33	128	-	2,414	21	-	21	138	227	138	20	434
Portion of Twp. Totals	503.88	1,975	377	2,352	-	121	33	128	-	2,634	21	-	21	156	299	156	20	542
<b>Compartment No. 2 Totals</b>	572.88	2,195	597	2,792	-	168	33	150	-	3,143	32	-	21	304	299	304	24	706
<b>Compartment No. 3</b>																		
T 9 S, R 32 E, W. M.																		
1	535.28	448	178	626	6	1,089	905	494	108	3,228	177	-	538	1,381	452	107	-	1,940
2	571.13	2,292	312	2,604	5	557	299	96	62	3,623	203	-	136	942	322	84	-	1,348
3	160.00	558	69	627	-	26	55	13	-	721	2	-	69	245	44	20	10	319
11	52.60	31	10	41	-	36	134	34	2	247	23	-	-	94	51	8	-	153
12	254.20	184	46	230	-	505	1,061	370	186	2,367	75	-	353	512	222	77	35	846
<b>Compartment No. 3 Totals</b>	1,573.21	3,513	615	4,128	16	2,213	2,454	1,007	358	10,176	480	-	1,096	3,174	1,091	296	45	4,606
<b>Compartment No. 4</b>																		
T 9 S, R 32 E, W. M.																		
12	140.20	789	178	967	-	237	50	13	-	1,267	50	-	42	32	37	23	11	103
T 9 S, R 33 E, W. M.																		
7	386.00	1,245	220	1,465	2	370	180	500	-	2,517	16	118	143	98	120	46	9	273
17	109.00	22	1,295	1,317	-	38	23	237	-	1,615	-	-	-	601	160	-	-	761
18	509.00	1,721	951	2,672	25	557	222	715	70	4,261	-	-	116	874	331	151	169	1,525
19	101.23	1,123	706	1,829	-	237	69	147	6	2,288	-	-	20	107	30	61	10	208
Portion of Twp. Totals	1,105.23	4,111	3,172	7,283	27	1,202	494	1,599	76	10,681	16	118	279	1,680	641	258	188	2,767
<b>Compartment No. 4 Totals</b>	1,245.45	4,900	3,350	8,250	27	1,439	544	1,612	76	11,948	66	118	321	1,712	678	281	199	2,870
<b>Compartment No. 5</b>																		
T 9 S, R 32 E, W. M.																		
11	507.40	1,230	688	1,918	-	154	66	59	-	2,197	77	-	-	89	199	27	32	347
12	85.60	361	97	458	-	138	-	27	-	623	8	-	-	42	20	10	-	72
14	198.00	681	138	819	-	-	-	-	-	819	-	-	-	9	4	9	9	31
<b>Compartment No. 5 Totals</b>	791.00	2,272	923	3,195	-	292	66	86	-	3,639	85	-	-	140	223	46	41	450
<b>Compartment No. 6</b>																		
T 9 S, R 32 E, W. M.																		

Township & Section Numbers	Area N.F. Acres	M. FEET B.M. FOR SPECIES									Cord Volume		No. of Diseased Trees	NO. OF SNAGS – ALL SPECIES				
		Ponderosa Pine			LP	D	WF	WL	ES	Total	WJ	LP		10"-20"	22"-30"	32"-40"	42"+	Total
		Mature	Immature	Totals														
14	402.00	1,683	384	2,067	-	22	-	-	-	2,089	1	-	-	20	65	20	-	105
23	143.00	222	70	292	-	175	16	16	15	314	-	-	-	59	52	15	-	126
<b>Compartment No. 6 Totals</b>	545.00	1,905	454	2,359	-	197	16	16	15	2,603	1	-	-	79	117	35	-	231

Table No. 4 (Continued) - BIG CREEK BLOCK - Compartment No. 7.

Township & Section Numbers	Area N.F. Acres	M. Feet B. M. For Species									Cord Volume		No. Of Diseased Trees	No. of Snags – all Species						
		Ponderosa Pine			LP	D	WF	WL	ES	Total	WJ	LP		10"20"	22"30"	32"40"	42"+	Total		
		Mature	Immature	Totals																
T 9 S, R 32 E, W.M.						<b>Compartment No. 7</b>														
23	377.00	1,377	234	1,611	-	450	81	119	6	2,267	-	-	14	142	133	31	-	306		
26	104.00	661	69	730	-	22	18	7	-	777	8	-	25	111	47	14	-	172		
<b>Compartment No. 7 Totals</b>	481.00	2,038	303	2,341	-	472	99	126	6	3,044	8	-	39	253	180	45	-	478		
T 9 S, R 32 E, W.M.						<b>Compartment No. 8</b>														
24	80.00	345	91	436	8	183	145	73	10	855	-	-	74	90	43	-	10	143		
26	11.20	61	15	76	-	6	-	-	-	82	-	-	-	-	22	-	-	22		
Portion of Twp. Totals	91.20	406	106	512	8	189	145	73	10	937	-	-	74	90	65	-	10	165		
T 9 S, R 33 E, W. M.																				
19	40.29	21	3	24	1	24	114	91	-	254	-	-	88	152	98	35	-	285		
<b>Compartment No. 8 Totals</b>	131.49	427	109	536	9	213	259	164	10	1,191	1,191	-	162	242	163	35	10	450		
T 9 S, R 35 E, W. M.						<b>Compartment No. 9</b>														
16	195.00	1,212	1,883	3,095	-	80	63	114	-	3,352	-	5	82	578	91	16	-	685		
17	531.00	1,852	5,308	7,160	25	272	31	1,135	18	8,639	-	-	35	2,033	421	47	6	2,507		
18	93.00	1,015	622	1,637	-	76	3	131	-	1,847	-	-	10	79	19	-	-	98		
19	186.80	2,615	814	3,429	6	159	-	98	20	3,712	-	-	-	237	134	89	-	460		
20	319.00	1,176	1,170	2,346	16	174	48	395	80	3,059	-	-	10	637	193	61	10	901		
<b>Compartment No. 9 Totals</b>	1,324.80	7,870	9,797	17,667	45	761	145	1,873	118	20,609	-	5	137	3,564	858	213	16	4,651		
T 9 S, R 33 E, W. M.						<b>Compartment No. 10</b>														
19	113.20	-	36	36	8	6	10	58	-	118	-	99	55	91	70	-	-	161		
20	321.00	882	909	1,791	20	188	56	235	4	2,294	-	22	-	544	89	-	20	653		
29	560.00	1,039	348	1,387	-	496	643	712	65	3,303	-	31	226	1,403	368	21	20	1,812		
30	359.09	982	148	1,130	4	552	103	326	18	2,133	-	-	108	903	485	14	-	1,400		
31	60.00	128	9	137	-	36	63	103	1	340	-	6	10	90	34	10	-	134		
32	172.40	299	95	394	2	277	293	152	126	1,244	-	159	78	514	201	123	35	873		
<b>Compartment No. 10 Totals</b>	1,585.69	3,330	1,545	4,875	34	1,555	1,168	1,586	214	9,432	-	317	477	3,545	1,245	168	75	5,033		
<b>BIG CREEK BLOCK TOTALS (10 Compartments)</b>	9,671.39	32,882	20,129	53,011	135	9,485	6,196	7,234	940	77,001	1,019	440	3,036	14,969	6,036	1,567	462	23,034		

INDIAN CREEK BLOCK

Township & Section Number	Area N.F. Acres	M. Feet B. M. for Species									Cord Volume		No. of Diseased Trees	No. of Snags - All Species				
		Ponderosa Pine			LP	D	WF	WL	ES	Total	WJ	LP		10" 20"	22"30"	32"40"	42"+	Total
		Mature	Immature	Total														
<b>Compartment No. 1</b>																		
T 8 S, R 31 E, W. M.																		
23	47.00	86	30	116	-	-	-	7	-	123	1	-	-	22	5	5	-	32
24	17.00	77	34	111	-	-	10	5	-	126	-	-	3	12	15	9	-	36
25	104.00	319	208	527	-	-	-	-	-	527	33	-	-	8	28	32	16	84
<b>Compartment No. 1 Totals</b>	168.00	482	272	754	-	-	10	12	-	776	34	-	3	42	48	46	16	152
<b>Compartment No. 2</b>																		
T 8 S, R 31 E, W. M.																		
24	304.00	756	483	1,239	-	189	97	257	-	1,782	1	7	10	716	354	42	-	1,112
25	136.00	651	293	944	-	46	9	142	-	1,141	-	-	14	223	73	21	5	322
Portion of Twp. Totals	440.00	1,407	776	2,183	-	235	106	399	-	2,923	1	7	24	939	427	63	5	1,434
T 8 S, R. 32 E, W. M.																		
30	103.20	336	215	551	-	253	30	224	-	1,058	-	-	11	104	75	9	4	192
<b>Compartment No. 2 Totals</b>	543.20	1,743	991	2,734	-	488	136	623	-	3,981	1	7	35	1,043	502	72	9	1,626
<b>Compartment No. 3</b>																		
T 8 S, R 32 E, W. M.																		
7	53.80	409	49	458	-	3	-	-	-	461	16	-	-	15	19	-	9	43
17	56.00	154	54	208	1	101	25	22	13	370	10	-	6	46	23	4	-	73
18	482.87	2,375	364	2,739	-	630	529	814	10	4,722	35	-	151	459	303	73	19	854
19	261.00	1,658	321	1,979	2	489	60	215	-	2,743	16	-	70	175	110	37	8	330
<b>Compartment No. 3 Totals</b>	853.67	4,596	788	5,384	3	1,223	614	1,049	23	8,296	77	-	227	695	455	114	36	1,300
<b>Compartment No. 4</b>																		
T 8 S, R.32 E, W. M.																		
7	26.40	183	26	209	-	12	-	-	-	221	-	-	-	4	-	-	-	4
8	198.80	1,173	687	1,860	-	275	149	160	-	2,444	69	-	32	116	86	20	5	227
9	65.20	346	198	544	5	43	25	31	-	648	-	-	10	130	70	30	-	230
16	400.80	1,094	274	1,368	8	366	529	305	9	2,585	155	-	235	946	448	89	-	1,485
17	640.00	1,551	862	2,413	15	722	518	625	110	4,403	128	125	410	715	356	72	-	1,143
18	11.00	17	5	22	-	13	-	-	-	35	-	-	-	10	8	-	-	18
20	81.00	236	93	329	-	105	132	168	1	735	18	-	78	50	38	12	-	100
21	72.80	156	43	199	-	41	84	103	-	427	36	-	29	150	15	18	18	201
<b>Compartment No. 4 Totals</b>	1,496.00	4,756	2,188	6,944	28	1,577	1,437	1,392	120	11,498	406	125	794	2,121	1,021	241	23	3,406
<b>Compartment No. 5</b>																		
T 8 S, R 32 E, W. M.																		
19	61.20	224	261	485	-	11	-	35	-	531	6	-	-	30	33	9	-	72
20	399.00	1,985	2,282	2,267	1	168	242	458	14	3,150	49	-	174	304	160	61	30	555
21	220.00	174	111	285	-	205	203	134	-	827	142	-	80	173	82	35	-	290
30	78.80	398	183	581	-	183	18	53	-	835	26	-	17	46	19	40	-	105
<b>Compartment No. 5 Totals</b>	759.00	2,781	837	3,618	1	567	463	680	14	5,343	223	-	271	553	294	145	30	1,022
<b>Compartment No. 6</b>																		
T 8 S, R 32 E, W. M.																		
20	160.00	380	75	455	-	29	-	-	-	484	33	-	-	-	30	16	19	65
21	79.20	296	137	433	-	73	7	78	-	591	89	-	-	10	124	49	9	192
28	344.80	1,741	922	2,663	-	342	191	287	16	3,499	126	-	161	272	138	142	-	552
29	572.20	1,611	943	2,554	-	749	300	654	35	4,337	39	-	169	566	332	132	9	1,039
30	87.20	188	71	259	-	205	16	49	-	529	-	-	-	39	71	15	-	125
32	59.00	188	29	217	-	5	15	9	-	246	-	-	-	-	72	-	-	72
33	85.00	367	44	411	-	47	134	28	-	621	-	-	59	195	204	67	-	466
<b>Compartment No. 6 Totals</b>	1,387.40	4,771	2,221	6,992	1	1,495	663	1,105	51	10,307	287	-	389	1,082	971	421	37	2,511

Table No. 4 INDIAN CREEK BLOCK (Continued)

Township and Section Number	Area N.F. Acres	M. Feet B. M. for Species									Cord Volume		No. of Diseased Trees	No. of Snags - All Species				
		Ponderosa Pine			LP	D	WF	WL	ES	Total	WJ	LP		10"-20"	22"-30"	32"-40"	42"+	Total
		Mature	Immature	Total														
<b>Compartment No. 7</b>																		
T 8 S, R 32 E, W.M.																		
22	118.80	534	223	757	-	51	8	6	-	822	36	-	-	10	30	-	-	40
23	207.20	1,328	756	2,084	1	401	168	98	-	2,752	137	-	135	140	103	35	9	287
26	640.00	1,955	596	2,551	27	1,301	1,060	562	245	5,746	333	-	242	1,228	735	128	-	2,091
27	589.60	2,506	599	3,105	12	719	572	467	197	5,072	95	-	378	470	346	85	34	935
28	287.20	2,094	553	2,647	4	266	194	158	101	3,370	107	-	36	300	205	129	9	643
33	5.00	126	42	168	-	3	-	-	-	171	-	-	-	12	3	6	-	21
34	22.00	20	9	29	-	25	35	3	-	92	-	-	33	15	10	5	5	35
35	70.00	176	131	307	-	159	162	56	-	684	40	-	97	126	90	20	5	241
<b>Compartment No. 7 Totals</b>	1,939.80	8,739	2,909	11,648	44	2,925	2,199	1,350	543	18,709	748	-	921	2,301	1,522	408	62	4,293
<b>Compartment No. 8</b>																		
T 8 S, R 32 E, W.M.																		
28	8.00	(No Timber)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	36.00	-	18	18	-	-	-	-	-	18	4	-	-	12	-	-	-	12
33	475.00	1,072	887	1,959	-	93	19	55	-	2,126	79	-	48	42	49	26	17	134
<b>Compartment No. 8 Totals</b>	519.00	1,072	905	1,977	-	93	19	55	-	2,144	83	-	48	54	49	26	17	146
<b>Compartment No. 9</b>																		
T 8 S, R 32 E, W. M.																		
29	68.80	39	2	41	-	23	-	-	-	64	1	-	-	-	-	8	-	8
30	50.80	32	18	50	-	44	-	8	-	102	1	-	-	15	37	6	-	58
31	206.00	554	74	628	-	157	9	31	-	825	-	-	12	62	64	22	32	180
32	545.00	782	190	972	-	11	-	-	-	983	63	-	-	13	39	12	-	64
<b>Compartment No. 9 Totals</b>	870.60	1,407	284	1,691	-	235	9	39	-	1,974	65	-	12	90	140	48	32	310
<b>Compartment No. 10</b>																		
T 8 S, R 32 E, W. M.																		
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Compartment No. 10 Totals</b>	438.12	2,347	410	2,757	-	657	65	181	-	3,660	18	-	30	416	251	68	26	761
<b>INDIAN CREEK BLOCK TOTALS (10 Compartments)</b>	8,974.79	32,694	11,805	44,499	77	9,260	5,615	6,486	751	66,688	1,942	132	2,730	8,397	5,253	1,589	288	15,527



GALENA BLOCK

Township and Section Number	Area N.F. Acres	M. Feet B. M. for Species									Cord Volume		No. of Diseased Trees	No. of Snags – All Species				
		Ponderosa Pine			LP	D	WF	WL	ES	Total				WJ	LP	10"20"	22"30"	32"40"
		Mature	Immature	Total														
T 9 S, R 32 E, W.M.																		
25	(No Gov't)	Acreage)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	244.80	723	562	1,285	-	47	9	-	-	1,341	-	-	-	130	127	73	-	330
<b>Compartment No. 1 Totals</b>	244.80	723	562	1,285		47	9	-	-	1,341				130	127	73	-	330
T 9 S, R 32 E, W.M.																		
25	(No Gov't)	Acreage)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	120.00	347	309	656	-	2	-	-	-	658	-	-	-	50	10	40	-	100
36	283.00	1,187	162	1,349	-	638	268	471	-	2,726	-	-	97	552	383	151	1	1,087
Portion of Twp. Totals	405.00	1,534	471	2,005	-	640	268	471	-	3,384	-	-	97	602	393	191	1	1,187
T 9 S, R 33 E, W.M.																		
30	121.27	395	70	465	2	117	59	177	-	820	-	-	10	234	78	5	-	317
31	158.80	98	48	146	1	53	61	96	-	357	-	-	80	290	80	-	-	370
Portion of Twp. Totals	280.07	493	118	611	3	170	120	273	-	1,177	-	-	90	524	158	5	-	687
<b>Compartment No. 2 Totals</b>	683.07	2,027	589	2,616	3	810	388	744	-	4,561	-	-	187	1,126	551	196	1	1,874
T 9 S, R 32 E, W.M.																		
35	(No Gov't)	Acreage)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	237.00	2,213	405	2,618	-	90	30	29	-	2,767	-	-	-	356	261	118	19	745
Portion of Twp. Totals	237.00	2,213	405	2,618	-	90	30	29	-	2,767	-	-	-	356	261	118	19	745
T 9 S, R 33 E, W.M.																		
31	404.00	2,200	509	2,709	3	346	164	499	5	3,726	-	13	42	920	471	121	-	1,512
<b>Compartment No. 3 Totals</b>	641.00	4,413	914	5,327	3	436	194	528	5	6,493	-	13	42	1,276	732	239	19	2,266
T 9 S, R 33 E, W.M.																		
32	469.72	1,587	199	1,786	18	810	564	453	33	3,664	-	55	228	921	579	131	-	1,631
33	250.00	1,872	330	2,202	1	357	101	123	88	2,872	-	29	137	550	215	77	10	852
34	20.00	-	2	2	1	-	4	8	10	25	-	31	-	168	-	-	-	168
<b>Compartment No. 4 Totals</b>	739.72	3,459	531	3,990	20	1,167	669	584	131	6,561	-	115	365	1,639	794	208	10	2,651
<b>GALENA BLOCK TOTALS</b> (4 Compartments )	2,308.59	10,622	2,596	13,218	26	2,460	1,260	1,856	136	18,956	-	128	594	4,171	2,204	716	30	7,121

Table No. 4 (Continued)

DESOLATION BLOCK

JOHN DAY – GRANDE RONDE - WORKING CIRCLE

Township and Section Number	Area N.F. Acres	M. Feet B. M. for Species									Cord Volume		No Of Diseased Trees	No. of Snags – All Species				
		Ponderosa Pine			LP	D	WF	WL	ES	Total	WJ	LP		10"-20"	22"-30"	32"-40"	42"+	Total
		Mature	Immature	Total														
T 8 S, R 31 E, W.M.																		
23	233.00	977	231	1,208	-	293	200	252	-	1,953	26	-	62	520	126	33	-	679
24	279.00	944	464	1,408	14	116	54	52	-	1,644	32	-	7	262	218	41	-	521
Portion of Twp. Totals	512.00	1,921	695	2,616	14	409	254	304	-	3,597	58	-	69	782	344	74	-	1,200
T 8 S, R 32 E, W.M.																		
7	62.00	355	42	397	-	18	4	13	-	432	14	-	-	12	18	-	-	30
18	109.43	346	35	381	-	75	28	34	-	518	80	-	54	58	42	-	-	100
21	54.00	13	7	20	-	27	142	282	-	471	4	-	24	221	65	4	-	290
22	54.00	212	104	316	-	6	3	18	-	345	19	-	8	8	16	-	-	24
Portion of Twp. Totals	279.43	926	188	1,114	-	126	177	347	-	1,764	117	-	86	299	141	4	-	444
DESOLATION BLOCK TOTALS ~Portions~	791.43	2,847	883	3,730	14	535	431	651	-	5,361	175	-	155	1,081	485	78	-	1,644

PROJECT TOTALS

Project Totals Number 4-- Blocks	21,746.20	79,045	35,413	114,458	252	21,740	13,502	16,227	1,827	168,006	3,136	700	6,515	28,618	13,978	3,950	780	47,326
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Table No. 5

Summary of Number of Poles  
Middle Fork John Day River - Working Circle  
BIG CREEK BLOCK

Township and Section Number	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. 9 S, R 32 E, W. M.	<b>Compartment No. 1</b>																	
27	-	-	337	198	337	198	-	-	-	24	288	32	-	-	-	-	625	254
33	-	-	248	162	248	162	-	-	-	-	-	-	-	-	-	-	248	162
34	-	-	5,417	3,266	5,417	3,266	168	21	2,005	1,571	2,628	1,485	721	253	330	193	11,269	6,789
35	77	123	1,691	795	1,768	918	470	194	430	563	1,918	2,124	200	255	478	452	5,264	4,506
Portion of Twp. Totals	77	123	7,693	4,421	7,770	4,544	638	215	2,435	2,158	4,834	3,641	921	508	808	645	17,406	11,711
T.9 S, R 32 E, W. M.	<b>Compartment No. 1 Totals</b>																	
1	-	22	44	20	44	42	106	-	484	284	198	210	-	44	-	-	832	580
2	-	6	77	40	77	46	-	-	-	32	16	64	80	-	192	144	365	286
Portion of Twp. Totals	-	28	121	60	121	88	106	-	484	316	214	274	80	44	192	144	1,197	866
<b>Compartment No. 1 Totals</b>	77	151	7,814	4,481	7,891	4,632	744	215	2,919	2,474	5,048	3,915	1,001	552	1,000	789	18,603	12,577
T. 9 S, R. 32 E, W. M.	<b>Compartment No. 2</b>																	
34	-	-	642	288	642	288	-	-	740	269	40	-	162	20	-	-	1,584	577
35	-	-	55	44	55	44	22	33	-	-	-	-	-	-	-	-	77	77
Portion of Twp. Totals	-	-	697	332	697	332	22	33	740	269	40	-	162	20	-	-	1,661	654
T. 9 S, R. 32 E, W. M.	<b>Compartment No. 2 Totals</b>																	
2	-	-	199	153	199	153	-	-	45	18	-	-	-	-	-	-	244	171
3	-	-	7,240	5,034	7,240	5,034	-	-	2,321	1,953	476	224	365	261	-	-	10,402	7,472
Portion of Twp. Totals	-	-	7,439	5,187	7,439	5,187	-	-	2,366	1,971	476	224	365	261	-	-	10,656	7,643
<b>Compartment No. 2 Totals</b>	-	-	8,136	5,519	8,136	5,519	22	33	3,106	2,240	516	224	527	281	-	-	12,307	8,297
T. 9 S, R. 32 E, W. M.	<b>Compartment No. 3</b>																	
1	-	133	548	369	548	502	2,641	599	2,179	1,790	2,733	2,533	253	78	591	338	8,945	5,840
2	90	116	3,268	1,274	3,358	1,390	1,420	398	1,932	1,122	2,174	1,562	1,290	441	270	451	10,444	5,364
3	-	-	557	300	557	300	-	-	442	494	266	410	218	208	-	-	1,485	1,412
11	-	-	-	6	-	6	315	32	57	110	1,060	507	247	80	178	63	1,857	798
12	-	-	104	97	104	97	206	85	187	345	2,104	1,956	322	136	999	966	3,922	3,584
<b>Compartment No. 3 Totals</b>	90	249	4,477	2,046	4,567	2,295	4,582	1,114	4,797	3,861	8,337	6,968	2,330	942	2,038	1,818	26,651	16,998
T. 9 S, R 32 E, W. M.	<b>Compartment No. 4</b>																	
12	-	-	317	107	317	107	-	3	199	156	835	228	9	-	36	24	1,396	518
T. 9 S, R 33 E, W. M.	<b>Compartment No. 4 Totals</b>																	
7	-	-	758	362	758	362	1,673	1,611	105	166	588	306	592	364	-	-	3,716	2,808
17	143	95	286	149	429	244	1,828	469	33	48	111	129	106	147	-	-	2,507	1,037
18	-	-	1,565	574	1,565	574	5,578	1,531	1,336	754	4,628	1,666	2,511	1,824	906	331	16,524	6,688
19	-	-	40	20	40	20	90	30	90	31	1,382	360	152	182	80	30	1,834	683
Portion of Twp. Totals	143	95	2,649	1,105	2,792	1,200	9,169	3,641	1,564	999	6,709	2,461	3,361	2,517	986	361	24,581	11,697
<b>Compartment No. 4 Totals</b>	143	95	2,966	1,212	3,109	1,307	9,169	3,644	1,763	1,155	7,544	2,689	3,370	2,517	1,022	385	25,977	11,697
T. 9 S, R 32 E, W. M.	<b>Compartment No. 5</b>																	
11	-	-	3,973	1,417	3,973	1,417	-	-	1,433	438	698	356	46	36	-	-	6,150	2,247
12	-	-	366	73	366	73	-	-	82	40	36	5	-	-	-	-	4,484	118
14	-	-	1,594	463	1,594	463	-	-	24	10	-	-	-	-	-	-	1,618	473
<b>Compartment No. 5 Totals</b>	-	-	5,933	1,953	5,933	1,953	-	-	1,539	488	734	361	46	36	-	-	8,252	2,838

Table No. 5  
 Summary of Number of Poles  
 Middle Fork John Day River- Working Circle  
 BIG CREEK BLOCK - Continued

Township and Section Number	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"															
T 9 S, R. 32 E, W. M.	<b>Compartment No. 6</b>																		
14	-	-	6,058	1,968	6,058	1,968	10	-	320	100	-	-	-	-	-	-	-	6,388	2,068
23	-	7	1,096	370	1,096	377	-	-	398	227	130	30	15	45	96	55	-	1,735	734
<b>Compartment No. 6 Totals</b>	-	7	7,154	2,338	7,154	2,345	10	-	718	327	130	30	15	45	96	55	-	8,123	2,802
T 9 S, R 32 E, W. M.	<b>Compartment No. 7</b>																		
23	30	19	2,935	590	2,965	609	-	-	1,921	999	600	283	153	91	56	2	-	5,695	1,984
26	-	-	1,421	461	1,421	461	-	-	227	141	283	182	-	4	-	-	-	1,931	788
<b>Compartment No. 7 Totals</b>	30	19	4,356	1,051	4,386	1,070	-	-	2,148	1,140	883	465	153	95	56	2	-	7,626	2,772
T 9 S, R. 32 E, W. M.	<b>Compartment No. 8</b>																		
24	-	-	243	30	243	30	100	74	143	177	886	518	214	126	-	-	-	1,586	925
26	-	-	209	94	209	94	-	-	93	42	30	-	-	-	-	-	-	332	136
Portion of Twp. Totals	-	-	452	124	452	124	100	74	236	219	916	518	214	126	-	-	-	1,918	1,061
T 9 S, R 33 E, W. M.	<b>Compartment No. 8</b>																		
19	-	-	-	3	-	6	526	105	151	124	244	218	152	187	-	-	-	1,073	637
<b>Compartment No. 8 Totals</b>	-	-	452	127	452	127	526	179	387	343	1,160	736	366	313	-	-	-	2,991	1,698
T 9 S, R 33 E, W. M.	<b>Compartment No. 9</b>																		
16	259	236	469	716	728	952	205	51	34	62	214	157	9	99	36	33	-	1,226	1,354
17	551	440	1,263	1,899	1,814	2,339	3,374	1,140	443	154	809	357	670	477	257	247	-	7,367	4,714
18	-	-	540	113	540	113	109	25	229	69	322	91	124	90	-	-	-	1,324	388
19	-	-	1,096	207	1,096	207	1,883	629	1,160	148	9	10	168	138	173	49	-	4,489	1,181
20	111	70	359	409	470	479	765	747	255	95	504	204	358	456	308	241	-	2,660	2,222
<b>Compartment No. 9 Totals</b>	921	746	3,727	3,344	4,648	4,090	6,336	2,592	2,121	528	1,858	819	1,329	1,206	774	570	-	17,066	9,859
T 9 S, R 33 E, W. M.	<b>Compartment No. 10</b>																		
19	-	-	80	24	80	24	3,188	536	85	42	121	47	83	168	-	-	-	3,557	817
20	180	150	2,090	1,990	2,270	2,140	3,270	360	250	180	720	200	1,300	850	280	160	-	8,090	3,890
29	60	39	650	405	710	444	3,773	239	790	517	2,253	1,222	918	829	542	401	-	8,986	3,652
30	38	-	364	50	402	50	882	175	196	487	1,089	544	740	787	81	36	-	3,390	2,079
31	10	-	-	-	10	-	400	70	30	40	330	150	160	190	-	10	-	930	460
32	10	20	15	10	25	30	1,901	1,364	172	226	967	907	225	181	810	537	-	4,100	3,245
<b>Compartment No.10 Totals</b>	298	209	3,199	2,479	3,497	2,688	13,414	2,744	1,523	1,492	5,480	3,070	3,426	3,005	1,713	1,144	-	29,053	14,143
<b>BIG CREEK TOTALS (10 Compartments)</b>	1,559	1,476	48,214	24,555	49,773	26,026	34,903	10,521	21,021	14,048	31,690	19,277	12,563	9,046	6,699	4,763	-	156,649	83,681

INDIAN CREEK BLOCK

Township and Section Number	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 8 S, R 31 E, W. M.	<b>Compartment No. 1</b>																	
23	5	5	516	79	521	84	-	-	-	-	-	6	6	18	-	-	527	108
24	-	6	276	60	276	66	-	-	24	12	63	27	3	-	-	-	366	105
25	-	-	2,325	1,016	2,325	1,016	-	-	-	-	-	-	-	-	-	-	2,325	1,016
<b>Compartment No.1 Totals</b>	5	11	3,117	1,155	3,122	1,166	-	-	24	12	63	33	9	18	-	-	3,218	1,229
T 8 S, R 31 E, W. M.	<b>Compartment No. 2</b>																	
24	63	67	2,538	978	2,601	1,045	-	-	263	234	598	212	295	343	-	-	3,757	1,834
25	-	-	1,171	602	1,171	602	-	-	212	77	267	230	601	233	-	-	2,251	1,142
Portion of Twp. Totals	63	67	3,709	1,580	3,772	1,647	-	-	475	311	865	442	896	576	-	-	6,008	2,976
T 8 S, R 32 E, W. M.	<b>Compartment No. 2 Totals</b>																	
30	-	-	638	569	638	569	-	-	477	455	282	221	62	134	-	-	1,459	1,379
<b>Compartment No. 2 Totals</b>	63	67	4,347	2,149	4,410	2,216	-	-	952	766	1,147	663	958	710	-	-	7,467	4,355
T 8 S, R 32 E, W. M.	<b>Compartment No. 3</b>																	
7	-	-	313	102	313	102	-	-	25	17	-	-	-	-	-	-	338	119
17	-	4	138	108	138	112	31	31	69	65	433	337	329	55	-	-	1,000	600
18	-	-	1,849	615	1,849	615	160	30	927	561	4,669	2,655	786	540	100	199	8,491	4,600
19	-	-	2,386	922	2,386	922	179	85	687	528	593	253	331	129	-	-	4,176	1,917
<b>Compartment No. 3 Totals</b>	-	4	4,686	1,747	4,686	1,751	370	146	1,708	1,171	5,695	3,245	1,446	724	100	199	14,005	7,236
T 8 S, R 32 E, W. M.	<b>Compartment No. 4</b>																	
7	-	-	184	37	184	37	-	-	24	17	28	12	-	-	-	-	236	86
8	-	-	1,699	917	1,699	917	-	-	233	146	777	393	73	80	-	-	2,782	1,536
9	110	70	160	80	270	150	100	90	190	120	330	190	110	30	-	-	1,000	580
16	153	48	1,253	820	1,406	868	843	181	783	2,347	433	446	366	170	-	-	3,831	4,012
17	71	121	1,811	1,260	1,882	1,381	4,355	1,723	735	798	3,493	2,632	867	879	491	382	11,823	7,795
18	-	-	48	5	48	5	-	-	13	4	-	-	-	-	-	-	61	9
20	12	-	627	276	639	276	-	-	21	57	678	725	209	359	35	8	1,582	1,425
21	38	66	160	164	198	164	146	28	46	81	1,613	149	203	81	-	-	2,206	589
<b>Compartment No. 4 Totals</b>	384	305	5,942	3,559	6,326	3,864	5,444	2,022	2,045	3,570	7,352	4,547	1,828	1,599	526	390	23,521	15,992
T 8 S, R 32 E, W. M.	<b>Compartment No. 5</b>																	
19	-	-	1,100	618	1,100	618	-	-	118	51	-	-	242	138	-	-	1,460	807
20	-	-	2,592	902	2,592	902	261	119	326	224	1,595	1,032	702	679	98	84	5,574	3,040
21	20	38	1,000	250	1,020	288	-	8	90	48	701	454	114	85	10	10	1,935	893
30	-	-	923	465	923	465	-	-	254	227	190	125	39	57	-	-	1,406	874
<b>Compartment No. 5 Totals</b>	20	38	5,615	2,235	5,635	2,273	261	127	788	550	2,486	1,611	1,097	959	108	94	10,375	5,614
T 8 S, R 32 E, W. M.	<b>Compartment No. 6</b>																	
20	10	-	1,365	381	1,375	381	-	-	46	3	20	-	70	20	-	-	1,511	404
21	40	89	876	385	916	474	-	-	139	109	690	140	350	110	-	-	2,095	833
28	14	30	1,240	994	1,254	1,024	-	-	153	312	821	864	310	540	-	9	2,538	2,749
29	-	-	2,889	2,321	2,889	2,321	18	20	927	829	1,562	1,416	613	819	10	30	6,019	5,435
30	-	-	355	102	355	102	-	-	880	397	165	224	58	60	-	-	1,458	783
32	-	-	648	24	648	24	-	-	300	84	156	48	84	60	-	-	1,188	216
33	-	2	84	25	84	27	-	13	384	98	946	568	158	126	-	13	1,572	845
<b>Compartment No. 6 Totals</b>	64	121	7,457	4,232	7,521	4,353	18	33	2,829	1,832	4,360	3,260	1,643	1,735	10	52	16,381	11,265

Township and Section Number	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. 8 S, R 32 E, W. M.	<b>Compartment No. 7</b>																	
22	-	-	346	229	346	229	20	2	52	92	55	74	38	23	-	-	511	420
23	107	144	436	610	543	754	260	51	244	313	277	478	-	8	-	-	1,324	1,604
26	86	108	677	786	763	894	2,201	1,046	417	869	3,436	3,695	624	670	1,335	1,319	8,775	8,493
27	-	-	1,744	853	1,744	853	3,441	1,329	1,308	674	5,140	2,926	1,508	616	1,076	788	14,217	7,186
28	-	3	1,428	1,080	1,428	1,083	426	426	388	423	33	471	531	281	32	85	3,135	2,769
33	-	6	252	75	252	81	-	-	81	18	42	6	18	3	-	-	393	108
34	-	-	11	11	11	11	-	-	-	-	115	132	-	-	-	-	126	143
35	-	10	293	127	293	137	-	-	31	41	161	202	-	10	-	-	485	390
<b>Compartment No. 7 Totals</b>	193	271	5,187	3,771	5,380	4,042	6,348	2,854	2,521	2,430	9,555	7,984	2,719	1,611	2,443	2,192	28,966	21,113
T. 8 S, R. 32 E, W. M.	<b>Compartment No. 8</b>																	
28	(No	Poles)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	-	-	87	100	87	100	-	-	-	-	-	-	-	-	-	-	87	100
33	35	22	3,705	1,640	3,740	1,662	-	-	375	186	207	206	66	43	-	-	4,388	2,097
<b>Compartment No. 8 Totals</b>	35	22	3,792	1,740	3,827	1,762	-	-	375	186	207	206	66	43	-	-	4,475	2,197
T. 8 S, R 32 E, W. M.	<b>Compartment No. 9</b>																	
29	-	-	24	48	24	48	-	-	48	24	-	-	-	-	-	-	72	72
30	-	-	152	137	152	137	-	-	144	78	-	4	4	8	-	-	300	227
31	-	-	1,966	1,342	1,966	1,342	-	-	1,562	1,026	308	69	12	9	-	-	3,848	2,446
32	-	57	3,063	1,124	3,063	1,181	-	-	469	183	-	-	-	-	-	-	3,532	1,364
<b>Compartment No. 9 Totals</b>	-	57	5,250	2,651	5,205	2,708	-	-	2,223	1,311	308	73	16	17	-	-	7,752	4,109
T. 8 S, R 32 E, W. M.	<b>Compartment No. 10</b>																	
31	-	10	7,053	4,693	7,053	4,703	-	-	3,175	2,849	1,499	992	464	740	-	-	12,191	9,284
<b>INDIAN CREEK BLOCK-TOTALS</b> (10 Compartments)	764	906	52,401	27,932	53,165	28,838	12,441	5,182	16,640	14,677	32,672	22,614	10,246	8,156	3,187	2,927	128,351	82,394

TABLE NO. 5 INDIAN CREEK BLOCK - Continued

GALENA BLOCK

Township and Section Number	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 9 S, R 32 E, W. M.							<b>Compartment No. 1</b>											
25		(No Gov't Acres)			-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	5,362	1,913	5,362	1,913	-	-	202	72	27	30	-	10	-	-	5,591	2,025
<b>Compartment No. 1 Totals</b>	-	-	5,362	1,913	5,362	1,913	-	-	202	72	27	30	-	10	-	-	5,591	2,025
T 9 S, R 32 E, W. M.							<b>Compartment No. 2</b>											
25		(No Gov't Acres)			-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	-	-	1,200	550	1,200	550	-	-	100	-	-	-	-	-	-	-	1,300	550
36	-	-	510	518	510	518	87	153	188	448	1,370	1,503	631	826	-	-	2,786	3,448
Portion of Twp. Totals	-	-	1,710	1,068	1,710	1,068	87	153	288	448	1,370	1,503	631	826	-	-	4,086	3,998
T. 9 S, R 33 E, W. M.																		
30	-	30	540	210	540	240	270	72	332	320	774	574	382	270	-	-	2,298	1,476
31	10	10	70	50	80	60	2,100	50	200	80	920	370	1,210	350	-	-	4,510	910
Portion of Twp. Totals	10	40	610	260	620	300	2,370	122	532	400	1,694	944	1,592	620	-	-	6,808	2,386
<b>Compartment No. 2 Totals</b>	10	40	2,320	1,328	2,330	1,368	2,457	275	820	848	3,064	2,447	2,223	1,446	-	-	10,894	6,384
T 9 S, R 32 E, W. M.							<b>Compartment No. 3</b>											
35		(No Gov't Acres)		708	-	-	-	-	-	-	-	-	-	-	-	-	-	-
36	-	-	384		384	708	-	-	25	52	15	49	6	48	-	-	430	857
Portion of Twp. Totals	-	-	384	708	384	708	-	-	25	52	15	49	6	48	-	-	430	857
T 9 S, R 33 E, W. M.																		
31	125	120	879	582	1,004	702	986	118	720	900	2,801	947	980	580	43	-	6,534	3,247
<b>Compartment No. 3 Totals</b>	125	120	1,263	1,290	1,388	1,410	986	118	745	952	2,816	996	986	628	43	-	6,964	4,104
T 9 S, R 33 E, W. M.							<b>Compartment No. 4</b>											
32	136	59	411	215	547	274	4,195	1,784	528	522	4,070	2,764	681	937	485	471	10,506	6,752
33	58	103	998	571	1,036	674	1,524	353	165	141	641	508	395	262	179	-	3,960	1,938
34	-	-	-	-	-	-	528	360	-	1	-	-	36	12	-	-	564	372
<b>Compartment No. 4 Totals</b>	194	162	1,409	786	1,603	948	6,247	2,497	693	663	4,711	3,272	1,112	1,211	664	471	15,030	9,062
<b>GALENA BLOCK TOTALS (4 Compartments)</b>	329	322	10,354	5,317	10,683	5,639	9,690	2,890	2,460	2,535	10,618	6,745	4,321	3,295	707	471	38,479	21,575

Table No. 6  
Timber Summary for Project

Block Name	Net. N.F. Acreage	Timber Estimate, M. Feet B. M.						
		Ponderosa Pine	LP	D	WF	WL	ES	Total
Big Creek	9,671	53,011	135	9,485	6,196	7,234	940	77,001
Indian Creek	8,975	44,499	77	9,260	5,615	6,486	751	66,688
Galena	2,309	13,218	26	2,460	1,260	1,856	136	18,956
Desolation	791	3,730	14	535	431	651	-	5,361
Totals	21,746	114,458	252	21,740	13,502	16,227	1,827	168,006



## VI - Conclusion

1. By reference to the preceding summaries, and based on the acreage of timberland types for the government lands,

The following averages are obtained:

a. Estimated per acre stand of timber, all species, -	9,044 ft. B. M
b. Number of snags per acre -	2.5
c. Number of diseased trees per acre -	3.5
d. Number of small poles 4"- 7" class, per acre -	18.0
e. Number of large poles 8" – 11" class, per acre –	10.4

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

- a. Estimated stand per acre - 10,996 ft. B. M.
- b. Immature pine forms 15.8% of the ponderosa pine stand.
- c. The average volume of a mature ponderosa pine tree is 1076 ft. B.M. – about 36 inches d.b.h.
- d. The average volume of an immature pine tree is 197 ft. B.M. about 20 inches d.b.h.
- e. Ponderosa pine forms 87.8% of the total stand.

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 6/8 1934

Walt L. Dutton  
Forest Supervisor

Approved 6/15 1934

F.H. Brundage  
Assistant Regional Forester

UNITED STATES DEPARTMENT OF AGRICULTURE  
FOREST SERVICE  
NORTH PACIFIC DISTRICT

ADDRESS REPLY  
DISTRICT FORESTER  
AND REFER TO

Post Office Building  
PORTLAND, OREG.

S  
Timber Surveys, Whitman, R-6  
Middle Fork John Day River

December 27, 1934

The Forester,

Washington, D. C.

Dear Sir:

Enclosed is a copy of the cost report pertaining to the above-designated  
timber survey project .

Very truly yours,

C. J. BUCK, Regional Forester,

By H. Horton , Acting

Enclosure

S.  
 Timber Surveys, Whitman, R-6  
 Middle Fork John Day River Project

Portland, Oregon  
 November – 1934

COST REPORT

I. Acreage and Mileage

1. Total gross area mapped		22,466 Acres	
2. Net acreage national forest land Cruised 10% basis		18,626 "	
Cruised 5 % basis		<u>3,120</u>	
	Total		21,746 Acres
3. Number of miles of level lines with transit and stadia.		30.	
4. Number of miles of control lines with compass, chain, and abney or altimeter.		43.	
5. Mileage of strip survey lines		262.	
6. Estimated saw timber volume on national forest land in project			168,006 M Ft. B.M.

II. Field Expenses

1. Cost of subsistence supplies		\$363.25	
2. Cost of Cooks wages		69.00	
3. Cost of packing, hauling, etc.		0.00	
4. Travel expenses		114.04	
5. Equipment and auto expenses		<u>35.82</u>	
6. Total, all field expenses			\$582.11
7. Average daily expenses per man, \$ 1.80			

III. Field Work

1. Total expenditures for salaries			\$986.65
2. Average size of crew, exclusive of cook and packer	115 men		
3. Average individual monthly salary			91.65
4. Distribution of costs, by activities:			
(a) Transit-stadia levels			
Man-days – 25			
Salary		\$58.25	
Expense (pro-rated)		<u>45.06</u>	103.31
(b) Compass control lines			
Man-days – 56			
Salary		\$139.90	
Expense (pro-rated)		<u>100.92</u>	\$240.82
(c) Strip Cruising			
Man-days-124 ½			
Salary		\$310.00	
Expense (pro-rated)		<u>224.37</u>	534.37

(d) Camp computing and compilations			
Man-days – 8 ½			
Salary	54.49		
Expense (pro-rated)	<u>15.32</u>	69.81	
(e) Supervision			
Man-days – 16			
Salary	118.33		
Expense (pro-rated)	<u>28.84</u>	147.17	
(f) Travel, moving and misc.			
Man-days – 45			
Salary	161.25		
Expense (pro-rated)	<u>81.10</u>	242.35	
(g) Sunday, rain, leave and holidays			
Man-days – 48			
Salary	144.43		
Expense (pro-rated)	<u>86.50</u>	230.93	
(h) Total cost of fieldwork			
Man-days – 323			
Salary	986.65		
Expense	<u>582.11</u>	\$1,568.76	
(i) Per acre cost of field work			
Based on gross acreage			\$0.0698
Based on N.F. Acreage			0.721

#### IV. Headquarters Office Work

1. Computations			
Man-days – 39 ½			
Salary	255.74		
Expense	<u>0.00</u>	255.74	
2. Map making, drafting & printing			
Man-days – 20			
Salary	175.60		
Expense	<u>23.00</u>	198.60	
3. Type maps			
Man-days – 19 ½			
Salary	\$92.80		
Expense	<u>1.00</u>	\$93.80	
4. Written reports			
Man-days – 10			
Salary	103.30		
Expense	<u>0.00</u>	103.30	
5. Total Cost of headquarters office work			

Man-days – 80		
Salary	627.44	
Expense	<u>24.00</u>	651.44
6. Per acre cost of headquarters work		
Based on gross acreage		0.029
Based on N. F. acreage		0.030

V. Summarized Cost of Project

1. Totals, field and headquarters work		
Man-days – 403		
Salary	1,614.09	\$2,220.20
Expense	<u>606.11</u>	
2. Cost per acre for gross area mapped	\$0.0988	
3. Cost per acre for net N. F. area mapped	\$0.1021	
4. Cost per M. Ft. B.M., cruised by all methods	\$0.0132	

*Fred A. Matz.*

FRED A. MATZ  
Chief of Timber Surveys