APPENDIX II

Compartment Descriptions.
Compartment 1

Main Area

<table>
<thead>
<tr>
<th>Larch-Fir 6.0 M per acre, Part Burn 1931</th>
<th>1,480 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessible:</td>
<td>Roads within type.</td>
</tr>
<tr>
<td>Site: Larch II; fir 70.</td>
<td></td>
</tr>
<tr>
<td>Volume: 6.0 M per acre, 76% larch; 24% fir.</td>
<td></td>
</tr>
<tr>
<td>Diameters: Larch maximum 38 inches, average 20 inches.</td>
<td>Fir maximum 34 inches, average 18 inches.</td>
</tr>
<tr>
<td>Considerable fir and larch with cordwood values only.</td>
<td></td>
</tr>
<tr>
<td>Defects: Larch, severe fire and beetle damage, buttrot and conk.</td>
<td>Fir, severe fir and beetle damage, buttrot, shake.</td>
</tr>
<tr>
<td>Remarks: Slopes easy to moderate, soil good, some scrub and rock areas. Fair quality fir and larch; has suffered badly from fire and beetle, and sawtimber values should be removed as soon as possible. Understory of larch. Lodgepole pine scattered throughout. Forty acres of larch-fir 6.8 M patches logged adjacent. Similar types and conditions with patches of tie logging.</td>
<td></td>
</tr>
</tbody>
</table>

Mature Areas

<table>
<thead>
<tr>
<th>Larch-Fir 7.0 M per acre</th>
<th>850 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessible:</td>
<td></td>
</tr>
<tr>
<td>Site: Larch II; fir 70; yellow pine medium.</td>
<td></td>
</tr>
<tr>
<td>Volume: 7.0 M per acre, 52% larch; 44% fir; 4% yellow pine.</td>
<td></td>
</tr>
<tr>
<td>Diameters: Larch maximum 40 inches, average 20 inches.</td>
<td>Fir maximum 38 inches, average 20 inches.</td>
</tr>
<tr>
<td>Yellow pine maximum 38 inches, average 38 inches.</td>
<td>Some fir of cordwood value only.</td>
</tr>
<tr>
<td>Defects: Larch, catface and buttrot, fire and insect damage, crook.</td>
<td>Fir, catface and buttrot, fire and insect damage, shake.</td>
</tr>
<tr>
<td>Yellow pine, catface and buttrot.</td>
<td></td>
</tr>
<tr>
<td>Remarks: Slopes easy to moderate, soil good, some rock and scrub areas. Area has been damaged by old fire. Fairly good quality timber. Ripe for logging, larch understory. Very few yellow pine trees.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Larch - Yellow Pine 8.0 M per acre, Part Log 1927-37</th>
<th>120 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessible: Log roads throughout.</td>
<td></td>
</tr>
<tr>
<td>Site: Larch II; yellow pine medium; fir 70.</td>
<td></td>
</tr>
<tr>
<td>Volume: 8.0 M per acre, 64% larch; 32% yellow pine, 4% fir.</td>
<td></td>
</tr>
<tr>
<td>Diameters: Larch maximum 32 inches, average 20 inches.</td>
<td>Yellow pine maximum 32 inches, average 28 inches.</td>
</tr>
</tbody>
</table>
Defects: Larch, buttrot, some beetle damage, crook.
Fir, buttrot, shake, beetle damage.
Yellow pine, buttrot, beetle damage.

Remarks: Area has been partially logged for larch and fir ties, 4 larch and 1 fir per acre, average 20 inches diameter. Little or no understory. Beetles doing some damage, stand ready for logging.

Larch-Fir 11M per acre, Part Logged 1934-37 630 acres
Accessible. Road through middle of type.
Site: Larch II; fir 70.
Volume: 11 M per acre; 72% larch; 28% fir.
Diameters: Larch maximum 40 inches, average 26 inches.
Fir maximum 50 inches, average 20 inches.
Some fir with cordwood value only.
Defects: Larch, some buttrot and conk.
Fir, some buttrot, shake.
Remarks: Scattered tie logging; larch 6, fir 4 per acre, average diameter 16 inches. Quality of larch and fir very good, one of the best larch sites in the Okanagan. Satisfactory fir-larch understory. Slopes easy to moderate, soil deep, few rock and scrub patches. Stand is mature and ready for logging. Some lodgepole pine.

Fir-Larch 4.9 M per acre, Part Logged 1934-38 1,280 acres
Accessible. Roads throughout area.
Site: Fir 100; larch II; yellow pine medium.
Volume: 4.9 M per acre; 52% fir; 45% larch; 3% yellow pine.
Diameters: Fir maximum 30 inches, average 16 inches.
Larch maximum 30 inches, average 18 inches.
Yellow pine maximum 28 inches, average 20 inches.
Some fir with cordwood value only.
Defects: Fir, old fire scar, bark beetles, buttrot and some shake.
Larch, old fire scar, bark beetles and buttrot.
Yellow pine, buttrot.
Remarks: Scattered logging; sawtimber and cordwood, fir 5.3, larch 4.9 stumps per acre. The stand is suffering from beetles, and defective trees should be removed. Reproduction practically all fir satisfactory. Slopes easy to moderate, soil good, some rock and scrub. Quality good, yellow pine confined to lower elevations, scattered trees.

Yellow Pine-Fir-Larch 5M per acre, Part Logged 120 acres
Very accessible type adjoining main road. Area has been part logged for ties and local farm purposes. Timber is small, slopes easy, growing site very good.
Logged 1929-30, Fir-Yellow Pine Scattered 160 acres

Accessible. Site good.
Density: 113 trees per acre not satisfactorily restocked, 65% fir; 20% yellow pine; 17% larch.
Remarks: Severely logged; fir 2.8, yellow pine 9.3, larch 8.4 per acre, part of this area will probably be used for agricultural purposes.

Fir-Larch Logged 1930-34, Burned 750 acres

Accessible.
Site: Good.
Density: 1,070 per acre, 80% fir; 20% larch.
Potential Use: Ties, sawlogs, etc.
Remarks: Trees removed - larch 19, fir 7.8, yellow pine 0.1 per acre. In general stand is in good condition. Slopes easy, soil good.

Fir-Yellow Pine Logged 1929-30 760 acres

Accessible.
Site: Good.
Density: 990 per acre, 65% fir; 20% yellow pine; 5% larch.
Potential Use: Ties, sawlogs, etc.
Remarks: Trees removed fir 6.4, yellow pine 2.7, larch 4.6 per acre. Slopes easy to moderate. In general stand is satisfactorily stocked. Some vacant areas. Good growing site for yellow pine.

Fir-Logged 1929-37 350 acres

Accessible.
Site: Good.
Density: 507 per acre, 77% fir; 17% yellow pine; 6% larch.
Potential Use: Ties, sawlogs, etc.
Remarks: Trees removed fir 8.5, yellow pine 2, larch 6 per acre. Slopes easy to moderate. In general stand is satisfactorily stocked, good growing site for all species. Small 40 acre patch of fir logged 1929 adjacent - a similar site and probably better stocking.

Yellow Pine Logged 1929-1937 370 acres

Similar to not satisfactorily restocked area yellow pine-fir logged 1928-34, 1,290 acres Compartment 2.
Larch-Fir 6.0 M per acre, Part Burn 1931
Similar to main type. 90 acres

Yellow Pine-Fir 4 M per acre, Part Logged
Very accessible type. Area part logged for ties and local purposes. Timber young, slopes easy, soil good, growing site excellent. 160 acres

Fir 3 M per acre, Part Logged
Very accessible area, part logged for ties, etc., site good. 40 acres

Fir-Yellow Pine-Larch 2.5 M per acre,
Part Logged 1929-1936
Very accessible, surrounded by cultivation and roads. Part logged for sawtimber, ties etc. Slopes easy to moderate, soil good, growing site very good. Timber in general is young but could be logged selectively. 370 acres

Other Areas

Lodgepole Pine-Larch 1932 and Larch 1870
Accessible. 110 acres
Site: Good, some areas of scrub and rock.
Density: 15,000 per acre, 77% lodgepole pine, 23% larch.
Potential Use: Ties, sawlogs, cordwood.
Remarks: 31 larch seed trees per acre. Larch although in minority, will in time outlive lodgepole and develop into sawtimber stand. Slopes easy to moderate, soil in general good.

Logged 1927-37, Larch-Fir Seed Trees
Accessible. 80 acres
Site: Good.
Density: 9 trees per acre. Not satisfactorily restocked. 50% larch; 50% fir.
Remarks: Part of this has almost been entirely cleared for grazing, remainder is very severely logged. Trees removed, larch 12 per acre, average diameter 18 inches; fir 4.8 per acre, average diameter 22 inches; yellow pine 3.8 per acre, diameter 30 inches. Area probably will be used for agricultural purposes.
Other Immature Areas

Numerous small areas of logging adjacent to cultivation, mostly logged for local farm purposes. Good sites. Usually mixed ages and well stocked. Mostly mixed fir, larch, yellow pine. Some not satisfactorily restocked areas adjacent to farms, heavily logged and partially cleared for grazing. Probably will be used for agricultural purposes. Some areas restocking after 1931 burn. In general at higher elevations. Usually well stocked with mixtures of larch, lodgepole pine and fir.

Compartment 2

Main Area

Fir-Larch 4.8 M per acre 2,480 acres

Accessible: Roads to within easy reach of area.
Site: Fir 70; larch III; yellow pine short.
Volume: 4.8 M per acre, 55% fir; 41% larch; 4% yellow pine.
Diameters: Fir maximum 34 inches, average 18 inches.
Larch maximum 34 inches, average 18 inches.
Yellow pine maximum 28 inches, average 18 inches.
Considerable fir and larch with cordwood values only.

Defects: Fir - fire scar, buttrot, insect damage, limby, shake.
Larch - fire scar, buttrot, insect damage.
Yellow pine - fire scar, buttrot.

Remarks: Type extends from 3,000 feet to 5,000 feet in elevation. Yellow pine scattered throughout lower elevations. Fire scar and beetle damage extensive to fir and larch. In general soil good, slopes easy to steep, scattered areas of rock and scrub throughout larch and fir of medium quality, should be selectively logged as soon as possible, to reduce beetle damage. Where fire damage has been extensive reproduction larch-fir satisfactory.

Mature Areas

Yellow Pine 3.1 M per acre 650 acres

Accessible.
Site: Yellow pine tall; fir 80; larch II.
Volume: 3.1 M per acre; 78% yellow pine; 14% fir; 8% larch.
Diameters: Yellow pine maximum 36 inches, average 22 inches.
Fir maximum 28 inches, average 16 inches.
Larch maximum 36 inches, average 16 inches.
Some fir with cordwood values only.

Defects: Yellow pine - buttrot, fire scar, beetle damage.
Fir - buttrot, fire scar, shake, beetle damage.
Larch - fire scar and buttrot, beetle damage.
Remarks: Good site, soil deep, slopes moderate, little rock. South slope, from 3,500 to 4,500 foot contour. Larch scattered throughout. Old fire damage. Beetles active, ripe for logging.

Small type, yellow pine 5.5 M. Part logged 30 acres, adjoining lower side. Similar remarks apply.

Yellow Pine 4.0 M per acre
Accessible: Readily accessible.
Site: Yellow pine medium; larch III; fir 60.
Volume: 4.0 M per acre; yellow pine 79%; larch 12%; fir 9%.
Diameters: Yellow pine maximum 44 inches, average 24 inches.
Larch maximum 24 inches, average 14 inches.
Fir maximum 22 inches, average 18 inches.
Some fir and larch of cordwood value only.
Defects: Yellow pine, fire-scar and buttrot, insect damage.
Larch, small, limby, fire-scar and buttrot.
Fir, fire-scar and buttrot, shake, short and limby.
Some fir of cordwood value only.

Yellow Pine 2.5 M per acre
Accessible.
Site: Yellow pine short, fir 60.
Volume: 2.5 M per acre; 82% yellow pine; 18% fir.
Diameters: Yellow pine maximum 30 inches, average 20 inches.
Fir maximum 22 inches, average 16 inches.
Considerable large fir of only cordwood value.
Defects: Yellow pine - fire-scar and buttrot, short and limby.
Fir - fire-scar and buttrot, shake, short and limby.

Yellow Pine (Fir cordwood) 2.0 M per acre
Accessible.
Site: Yellow pine short; fir scruffy.
Volume: 2.0 M per acre; 100% yellow pine.
Diameters: Yellow pine maximum 36 inches, average 20 inches. Some fir of cordwood values only.

Defects: Yellow pine - short, limby, poor form, buttrot.

Remarks: Open stand of little value. Scrub fir suitable only for cordwood; yellow pine of poor quality, would only be logged because of accessibility.

Yellow Pine 1.5 M per acre, 50% Rock 500 acres
Extends from 3,000 to 4,500 foot contour on south slope.
Site poor, broken by rock and bluffs. Slopes moderate to steep. Timber occurs on benches and flats, and is therefore open. Fir of no value. Yellow pine short and of poor quality. Logging chance poor.

Several areas totaling 900 acres of semi-open range.
This type is very open. Yellow pine of poor quality, short and limby. Fir if present is of no value. Volumes vary from 0.3 to 0.6 M per acre. Usually very accessible, and it is only because of this that the timber would be logged.

Other Areas

Yellow Pine Logged 1928-34, Semi-Open Range 350 acres
Accessible: To main Osoyoos highway.
Site: Fair for yellow pine; poor for fir.
Density: 15 trees per acre; 60% yellow pine; 40% fir.
Potential Use: Yellow pine sawlogs.
Remarks: Stumps yellow pine 5.6 per acre, average diameter 25 inches; fir 0.14 per acre. Typical semi-open range type. Site shows fair diameter growth for yellow pine, but trees are short and limby. Slopes easy to moderate, soil good, some rock outcrops.

Lodgepole Pine-Larch 1933 and Fir-Larch Seed Trees 320 acres
Accessible.
Site: Fair.
Density: Approximately 8,000 per acre. 80% lodgepole pine; 20 larch.
Potential Use: Larch sawlogs and ties.
Remarks: Between 4,700 and 5,000 feet elevation. Slopes easy to moderate. Soil fair, considerable rock. Old fir-larch scattered over area, badly damaged by fire and insect. Of no value save as seed trees. Patches of lodgepole pine scattered over area.
140 acres of lodgepole pine-larch 1931 very similar, except fewer seed trees. Practically adjoins type immediately above.

Larch-Lodgepole Pine 1934 and Larch-Fir Seed Trees 100 acres
Accessible.

Site: Fair.
Density: 1,450 per acre; 65% larch; 26% lodgepole pine; 9% fir.
Potential Use: Larch and fir ties and sawlogs.
Remarks: Soil shallow and considerable rock. Some willow and other deciduous growth. Remaining larch and fir seed trees 16 per acre, badly damaged by fire and beetle.

Yellow Pine-Fir Logged 1928-34 1,290 acres
Accessible. Readily reached from main Osoyoos road.
Site: Good yellow pine; poor fir.
Density: 160 trees per acre; 65% yellow pine; 35% fir.
Potential Use: Yellow pine sawlogs, fir cordwood.
Remarks: Soil good, slopes easy to moderate, some patches rock and scrub. Trees removed 6.5 yellow pine and 1.4 per acre fir. Big volume of timber removed from this area over a period of several years and exported to United States. There are patches where reproduction is satisfactory both as to stocking and growth, but general the area is not satisfactorily restocked. Grass and weeds have taken hold of blank areas and reproduction may have difficulty in establishing itself. Two adjacent patches of same site, totaling 50 acres, logged and burned with no reproduction.

Fir Logged 1929 80 acres
Accessible. Easily reached from main Osoyoos road.
Site: Fair for yellow pine; poor for fir and larch.
Density: 540 trees per acre; 95% fir; 4% larch; 1% yellow pine.
Potential Use: Fir and larch ties and cordwood, yellow pine sawlogs.
Remarks: Slopes easy, soil good, little rock. Trees removed 7.5 yellow pine, 3.5 fir per acre. Seed trees yellow pine 2.5, fir 6.5, larch 1.5 per acre. Satisfactory fir reproduction, but no yellow pine or larch. Grass competing with small reproduction.

Other Immature Areas

Several small scattered types of reproduction ranging in age from 5 to 7 years and in area from 10 to 180 acres; established after fire of 1931. Mostly mixed type of fir-larch, some lodgepole
pine and larch-lodgepole pine. In general sites are good, slopes easy to moderate, some scattered rock and scrub areas. Usually scattered fir-larch seed trees badly damaged and of little value save for seeding purposes. Some areas have considerable willow and are practically non-commercial cover, but will eventually come back to one of above species.

Some small areas of selective logging fir-larch 60 acres, fir-yellow pine 70 acres. Partially logged and plenty of seed trees left to produce satisfactory stocking.

Compartments

Main Area

Yellow Pine-Larch 6.7 M per acre 1,150 acres
Accessible.
Site: Yellow pine medium; larch II; fir 80.
Volume: Total per acre 6.7 M; 60% yellow pine; 24% larch; 16% fir.
Diameters: Yellow pine maximum 34 inches, average 22 inches.
Larch maximum 36 inches, average 18 inches.
Fir maximum 34 inches, average 20 inches.
Defects: Yellow pine - fire scar, buttrot.
Larch - fire scar, buttrot, conk.
Fir - fire scar, buttrot, shake.
Remarks: This area has been considered accessible. However, road costs will be high and it may be necessary to take it out via the Inkaneep. There is sufficient timber to warrant an expensive road. Slopes moderate to steep, soil good, some rock.

Mature Areas

Yellow Pine 15 M per acre 230 acres
Accessible.
Site: Yellow pine tall; fir 70; larch III.
Volume: Total volume 14.7 M per acre; 88% yellow pine; 7% fir; 5% larch.
Diameters: Yellow pine maximum diameter 40 inches, average 22 inches.
Fir maximum diameter 32 inches, average 24 inches.
Larch maximum 20 inches, average 14 inches.
Defects: Yellow pine - buttrot, crook and conk.
Fir - buttrot, shake.
Larch - buttrot, some conk.
Remarks: One of the heaviest yellow pine stands in Okanangan. Patches of very dense yellow pine, 1923. Slopes moderate to steep. Timber is mature and ready for logging. Remarks on accessibility apply as those in type above.
Larch-Fir 10 M per acre

Accessible. 130 acres
Site: Larch II; fir 90.
Volume: Total per acre 10.1 M; 79% larch; 21% fir.
Diameters: Larch maximum 32 inches, average 22 inches.
Fir maximum 22 inches, average 16 inches.
Defects: Larch - fire scarred and buttrot.
Fir - fire scar and buttrot, bark beetle.
Remarks: Type extends between 4,500 and 5,000 foot contour.
Slopes moderate to steep, soil good, some rock. Part
of type has been fire damaged and attacked by insects.

Larch 2.1 M per acre

Accessible. 350 acres
Site: Larch III; fir 60.
Volume: 2.1 M per acre; 93% larch; 7% fir.
Diameters: Larch maximum 30 inches, average 16 inches.
Fir maximum 20 inches, average 16 inches.
Defects: Larch - fire scarred and buttrot.
Fir - fire scar and buttrot, bark beetle, shake.
Remarks: Area badly damaged by fire and insect. Old stand
should be removed. Understory of larch 1931. Lodgepole
pine of various ages scattered throughout type.
Slopes moderate, soil fair depth, some rock. Two small
patches of reproduction adjoining; 30 acres of lodgepole
pine 1R36, 10K00 per acre, fir-larch 1932, 20 acres.

Yellow Pine 1.0 M per acre, Part Burn 120 acres
Poor quality yellow pine, rocky site. Between 3,500 to 4,000
foot contours.

Yellow Pine 1.0 M per acre, 40% Rock 150 acres
Poor quality yellow pine on rocky site. Similar to main type
5A. Will probably be logged; only because road will pass
close by when this valley is logged.

Yellow Pine 2.0 M per acre, 30% Rock 60 acres
Poor quality yellow pine on rocky site, steep ground, may
never be logged.

Other Areas

Larch 1923 140 acres
Accessible.
Site: Fair.
Density: 2,060 per acre; 83% larch; 16% fir; 2% yellow pine.
Potential Use: Ties, sawlogs.
Remarks: About 4,000 feet elevation.
Lodgepole Pine-Larch 1923  
180 acres
Between 4,500 to 5,000 feet. 3,000 trees per acre.  
55% lodgepole pine; 45% larch; site fair.

Compartment 4

Main Area

Fir Cordwood (Yellow pine) 0.4 M per acre  
2,360 acres
Accessible.
Site: Yellow pine short; fir 60.
Volume: 0.45 M per acre; 79% yellow pine; 21% fir.
Diameters: Yellow pine maximum 36 inches, average 18 inches.  
Fir maximum 22 inches, average 14 inches.
Most fir of cordwood value only.
Defects: Yellow pine - short, limby, damaged by fire and insect.  
Fir - bad shake, short, limby and damaged by fire and insect.
Remarks: Very poor quality. Nearly all fir of cordwood value only. Some fir in sheltered pockets would make ties or sawtimber, but as soon as it grows to any size becomes full of shake. Yellow pine scattered throughout. Small and very limby. Slopes moderate to steep, shallow soil, large areas of rock and scrub.

Mature Areas

Yellow pine 2.0 M per acre  
180 acres
Accessible. Road through area.
Site: Yellow pine medium.
Volume: 2.0 M per acre; 100% yellow pine.
Diameters: Yellow pine maximum 26 inches, average 20 inches.
Some fir with cordwood values only.
Defects: Yellow pine - buttrot and insect damage.
Remarks: Small area of fair quality yellow pine. Fir is full of shake, bad form and some insect damage. Slopes easy, soil fair, some rock.

Fir - Cordwood (fir) 0.7 M per acre, Part Logged  
160 acres
Accessible.
Site: Fir 60; yellow pine short.
Volume: 0.8 M per acre; 90% fir; 10% yellow pine.
Diameters: Fir maximum 24 inches, average 18 inches.
Considerable fir of cordwood value only.
Defects: Fir - shake, poor quality, short, limby, buttrot.
Remarks: Some logging for fence posts, etc. Fir 2 trees per acre, average stump 14 inches. Both yellow pine and fir of poor quality.
Fir 1.7 M per acre

Accessible.
Site: Fir 60, yellow pine short.
Volume: 1.7 M per acre, 92% fir, 8% yellow pine.
Diameter: Fir maximum 26 inches, average 18 inches.
Defects: Fir - short, limby, shake, buttrot.
Yellow pine - buttrot, short, limby.
Remarks: Timber is of poor quality. Soil fair, considerable rock and scrub, slopes easy to moderate.

Fir cordwood (fir) 0.3 M per acre
Practically scrub, site poor, timber very poor, full of shake.

Fir 2.5 M per acre

Accessible.
Site: Fir 60.
Volume: 2.5 M per acre, 100% fir.
Diameters: Fir maximum 34 inches, average 22 inches.
Defects: Fir - shake buttrot, limby, short.
Remarks: Slopes easy to moderate, soil fair, timber of only poor to fair quality.

Fir cordwood (fir) 0.4 M per acre
Similar to type fir cordwood (fir) 0.3 M above.

Fir 13 M per acre

Accessible.
Site: Fir 100; spruce 80.
Volume: 13.2 M per acre, 96% fir, 4% spruce.
Diameters: Fir maximum 44 inches, average 24 inches.
Spruce maximum 16 inches, average 14 inches.
Defects: Fir - limby, windshake, buttrot.
Spruce - limby, buttrot.

Fir-Spruce 18 M per acre

Accessible.
Site: Fir 100; spruce 80.
Volume: 18.2 M per acre, 75% fir, 25% spruce.
Diameters: Fir maximum 38 inches, average 28 inches.
Spruce maximum 26 inches, average 16 inches.
Some large fir with cordwood values only.
Defects: Fir - buttrot, windshake.
Spruce - buttrot.
Fir 3.8 M per acre
Accessible.
Site: Fir 70.
Volume: 3.8 M per acre; 100% fir.
Diameter: Fir maximum 38 inches, average 20 inches, considerable fir of only cordwood values.
Defect: Fir - limby, ringshake, buttrot, some insect damage.
Remarks: Type extends from 4,000 feet to 5,500 feet contour. Slopes moderate to steep, soil deep, some rock and scrub. Part of area damaged by fire.

Fir 5.0 M per acre - Part Burn 1931
Accessible.
Site: Fir 70.
Volume: 5.1 M per acre; 100% fir.
Diameters: Fir maximum 34 inches, average 16 inches.
Defects: Fir - limby, ringshake, fire scar, buttrot and insect damage.
Remarks: Type extends from 3,500 to 4,300 feet. Slopes moderate to steep, soil fair, some rock and scrub. Area was part burned and has suffered from beetle and rot, should be removed.

Fir cordwood (yellow pine) 1.0 M per acre, 20% Rock
Difficult to reach, poor rocky site, slopes steep. Fir only-cordwood. Yellow pine of poor quality, short limby, etc. Small patch of yellow pine, semi-open range type, adjoining poor quality timber.

Fir 1.6 M per acre, Part Logged
Small area by Blue Lake, logged for local farm purposes. Very accessible, poor quality timber.

Other Areas

Burned 1936 and 1938
Poor site, large percentage rock. Slopes moderate to steep. Will probably remain not satisfactory restocked for long period.

Fir log and burn 1929
Accessible. Fair site, slopes easy to moderate, soil deep. Density 610 per acre. Fir stumps 4.5 per acre, average 22 inches. 10 seed trees per acre, satisfactorily stocked.

Three scattered areas of burn 1931, not restocking, totaling 100 acres similar to main area Compartment 7.
Compartment 5A

Main Area

Yellow pine 1.1 M per acre - 25% Rock 1,740 acres
Accessible: Logging roads surround area on west, north and east sides.
Site: Yellow pine short; fir 60.
Volume: 100% yellow pine, fir - cordwood and culls only.
Diameters: Yellow pine maximum 30 inches, average 18 inches.
           Fir maximum 24 inches, average 16 inches.
Defects: Yellow pine - poor quality, buttrot, top rot, limby, cull 30%.
           Fir - very poor quality, bad shake, limby and some insect damage. Unsuitable for sawtimber.
Remarks: Type covers rocky knolls. Trees occur in pockets and on benches between rock outcrops. Site is very dry and exposed. Stand is therefore open, short and of poor quality. Will only be logged because of close proximity to mill and scarcity of yellow pine throughout this area.

Mature Areas

Yellow pine 3.6 M per acre 310 acres
Accessible. Logging road into North edge of type.
Site: Yellow pine medium; fir 60; larch III.
Volume: Yellow pine 82%; fir 16%; larch 2%, also fir cordwood.
Diameters: Yellow pine maximum 40 inches, average 24 inches.
           Fir maximum 28 inches, average 18 inches.
           Larch maximum 18 inches, average 16 inches.
Defects: Yellow pine - buttrot and toprot, limby.
           Fir - buttrot, shake and limby.
           Larch - buttrot, shake.

Yellow pine (fir cordwood) 1.5 M per acre, 30% Rock 110 acres
Accessible.
Site: Yellow pine short; fir shorter than 60.
Volume: 100% yellow pine; fir cordwood and culls only.
Diameters: Yellow pine maximum 26 inches, average 18 to 20 inches.
           Fir maximum 20 inches, average 14 inches.
Defects: Yellow pine similar to main area. Fir scrubby and full of shake.
Remarks: Similar to main area.

Yellow pine-Larch 6.5 M per acre 190 acres
Similar to main type Compartment 3.
Yellow pine - fir 4.9 M. per acre, part burn 1931 230 acres

Similar to type of same title (550 acres) Compartment 5B.

Yellow pine 1.0 M. 160 acres
Inaccessible

General Remarks: Poor quality yellow pine along sides of Inkaneep canyon.

Yellow pine - fir selectively logged 1933 - 35 200 acres
Accessible

Site: Good site for yellow pine.
Density: Satisfactorily stocked with 294 trees per acre, yellow pine 40%, fir 60%.
Potential Use: Yellow pine sawlogs, fir cordwood.

Compartment 5B

Main Area

Larch - Fir 2.7 M. per acre - part burn 1931 3,610 acres

Accessible: Can be approached on north side from Camp McKinney road.

Site: Yellow pine medium, fir 70, larch III, spruce 80.
Volume: 60% larch, 26% fir, 12% yellow pine, remainder is spruce and lodgepole pine.
Diameters: Larch maximum 32", average 22"
           Fir          " 36", " 20"
           Yellow pine " 34", " 24"
           Spruce      " 26", " 14"
           Lodgepole pine 20", " 10"

Defects: This area was part burned and a great deal of damage, such as cutface etc., was done to all species. Also there is considerable damage to all species by beetles. Besides this there is further defect in larch (buttrot and some conk) and fir (buttrot and shake).

General Remarks: The type is scattered throughout the compartment and mixed up with areas of reproduction of various ages, all that is left of a mature larch-fir stand. Beetle damage is quite extensive and rot is increasing due to old fire scars. A young stand about 90% larch and averaging 6 years has come in after the last fire under the mature trees. In general the soil is deep and if fire can be kept out will again produce a good larch-fir type. The yellow pine is scattered throughout the lower elevations and the spruce confined to creek bottoms.
### Mature Areas

**Yellow Pine (fir cordwood) 3.4 M per acre**  
240 acres  
Accessible: Camp McKinney road within easy reach.  
Site: Yellow pine medium; fir 60.  
Volume: 100% yellow pine; fir - cordwood and cull only.  
Diameters: Yellow pine maximum 36 inches, average 20 inches.  
Fir maximum 42 inches, average 18 inches.  
Defects: Yellow pine limby; fir - bad shake, limbs, poor form.  
Remarks: Yellow pine of fair quality, some rock outcrop.

**Larch-Fir 6.0 M per acre**  
490 acres  
Accessible: The Camp McKinney road passes through the type.  
Site: Larch II; fir 70; yellow pine medium.  
Volume: 55% larch; 35% fir; 10% yellow pine.  
Diameters: Larch maximum 32 inches, average 18 inches.  
Fir maximum 30 inches, average 18 inches.  
Yellow pine maximum 24 inches, average 20 inches.  
Defects: Larch - fire scar and buttrot.  
Fir - fire scar and shake.  
Yellow pine - fire scar.  
Remarks: Bark beetle is attacking fir. Stand is mature and ready for cutting.

**Larch-Fir 3.2 M and Larch 1931**  
330 acres  
Accessible: Camp McKinney road adjoins type.  
Site: Larch II; fir 80.  
Volume: 70% larch; 30% fir.  
Diameters: Larch maximum 40 inches, average 22 inches.  
Fir maximum 36 inches, average 18 inches.  
Defects: Larch - fire scar and buttrot.  
Fir - fire scar and shake.  
Remarks: Area has been subjected to repeated fires. Good larch understory 7 years old. Fire and insect damage considerable. Should be logged soon before more deterioration.

**Yellow Pine 4.9 M, Part Burn 1929**  
550 acres  
Accessible.  
Site: Yellow pine medium; fir 60.  
Volume: 95% yellow pine; 5% fir.  
Diameters: Yellow pine maximum 34 inches, average 22 inches.  
Sawtimber fir maximum 22 inches, average 16 inches.  
Several fir of greater diameters, cordwood trees.  
Defects: Yellow pine - fire scar, limby, ring shake.  
Fir - fire scar, limby, ring shake.  
Remarks: Numerous dead trees throughout due to beetle and fire damage. Should be removed before greater deterioration. Weeds and grass choking reproduction. Some rock outcrops on area.
Yellow pine (fir cordwood) 1.5 M. per acre 30% Rock 180 acres
Similar to type of same title (110 acres) compartment 5A.

Yellow pine - fir 1.3 M. larch - fir 1931 180 acres
Accessible:
Site: Yellow pine medium, fir 50.
Volume: 60% yellow pine, 20% fir.
Diameters: Yellow pine maximum 32", average 18".
        Sawtimber fir " 20", " 16".
        Fir of greater diameters but only cordwood values.
Defects: Yellow pine, fire scar, buttrot, limby.
        Fir, fire scar, limby, ring shake, short.
General Remarks: Severe fires followed by insect attack have killed about 75% of stand. The remainder is of little value except as seed trees. Seven year old (2,000 per acre) larch-fir has established itself under the stand. There is considerable rock and the site is too exposed for good quality fir.

Yellow pine 3.6 M. 50 acres
See 810 acre type - Compartment 5A.

Yellow pine 3.6 M. 140 acres
See 810 acres type - Compartment 5A.

Yellow pine 1.0 M. 120 acres

Inaccessible
Timber of poor quality along sides of Inkaneeep Canyon.

Larch - fir 4.0 M. 190 acres
Accessible
See 910 acre type.

Lodgepole pine - larch 1933, burn 1931, scattered seed trees 1,300 acres
Accessible
Site: Fair
Density: 2,400 per acre, 60% lodgepole pine, 40% larch.
Potential Use: Larch sawlogs.
Remarks: Lies between 3,500 and 5,000 feet elevation. Varying sites but average fair. Parts of original stand had been lodgepole pine 1875, other parts larch - fir. Scattered lodgepole pine and larch seed trees.
Lodgepole Pine 1933, Burn 1931

Accessible.

Site: Good.

Density: 5,240 per acre, practically 100% lodgepole pine.

Remarks: Old stand had been larch-fir and lodgepole pine 1875. Gently rising terrain, good soil.

Larch-Lodgepole Pine 1933, Burn 1931

Accessible.

Site: Fair.

Density: 4,700 per acre; 70% larch; 30% lodgepole pine.

Remarks: Strip along larch-fir type, which has seeded the area.

Several large and small types of lodgepole pine 1933 about 10,000 per acre, accessible and of fair to good site.

Compartment 5C

Main Area

Yellow Pine–Fir Selectively Logged 1921-1938

Accessible. Camp McKinney road and numerous roads throughout area.

Site: Good.

Density: 520 trees per acre; 30% yellow pine; 70% fir.

Potential Use: Yellow pine sawlogs. Fir - some sawlogs, mostly cordwood.


Mature Areas

Yellow Pine–Fir 4.5 M per acre

Accessible. Easily reached from Camp McKinney road.

Site: Yellow pine medium; fir 70.

Volume: 80% yellow pine; 20% fir.

Diameters: Yellow pine maximum 32 inches, average 16 inches. Sawtimber fir maximum 24 inches, average 14 inches. Some cordwood fir of larger diameter.

Defects: Yellow pine - some butrot and toprot.

Fir - shake and butrot.

Remarks: In general type has not reached full maturity. Some yellow pine and old cordwood fir should be removed. Growth in yellow pine very good. Soil good, little rock and easy slopes.
Fir - yellow pine - larch 4.9 M. per acre 340 acres
Accessible: Within easy reach of log roads connecting with Camp McKinney road.
Site: Fir 70, yellow pine medium, larch 10.
Volume: 45% fir, 28% yellow pine, 27% larch.
Diameters: Fir maximum 30", average 18".
  Yellow pine 24", " 16".
  Larch 22", " 18".
Defects: Fir butt rot, ring shake and twist.
  Yellow pine buttrot.
  Larch buttrot, some conk.
General Remarks: Larch occurs on wet flats and in creek bottoms. Good soil, little rock and easy slopes. Timber of good quality. Some large fir with cordwood values only.

Yellow pine 8.4 M. per acre 90 acres
Accessible
Site: Yellow pine tall, fir 80.
Volume: 93% yellow pine, 7% fir.
Diameters: Yellow pine maximum 38", average 16".
  Sawtimber fir " 22", " 14".
  Some cordwood fir of large diameters.
Defects: Yellow pine buttrot, some toprot.
  Fir buttrot, shake, twist.

Yellow pine - fir 3.9 M. per acre 160 acres
Accessible
Site: Yellow pine medium, fir 80.
Volume: 55% yellow pine, 45% fir.
Diameters: Yellow pine maximum 30", average 24".
  Sawtimber fir " 22", " 16".
  Considerable larger fir of cordwood values.
Defects: Yellow pine, top and buttrot, fire scar.
  Fir buttrot, limby, fire scar.

Larch - fir 3.6 M. per acre 1,370 acres
Accessible
Site: Larch III, fir 80, yellow pine medium.
Volume: 56% larch, 20% fir, 17% yellow pine.
Diameters: Larch maximum 24", average 18".
  Sawlog fir " 26", " 16".
  Yellow pine " 24", " 18".
  Considerable fir of larger diameters with cordwood values.
Defects: Larch - fire scar, buttrot, some conk.
Fir - fire scar, buttrot, shake and insect damage.
Yellow pine - fire scar and buttrot, some insect damage.

Remarks: Type extends from about 3,500 feet to 4,500 feet elevation, yellow pine is therefore found to greatest extent in lower parts of type. Some scattered spruce and lodgepole pine found at upper elevations. Fair soil, some rock outcrop and scrub, slopes moderate.

Yellow Pine-Fir-Larch 3.3 M per acre

Accessible.
Site: Yellow pine medium; fir 60; larch II.
Volume: 40% yellow pine; 31% fir; 29% larch.
Diameters: Yellow pine maximum 30 inches, average 20 inches.
Sawlog fir maximum 24 inches, average 16 inches.
Larch maximum 22 inches, average 16 inches.

A great deal of large fir only cordwood.

Defects: Yellow pine - fire scar, buttrot, twist.
Fir - fire scar and buttrot, limby, shake, poor quality.
Larch - fire scar and buttrot, some conk, poor quality.

Remarks: Type on top of local ridge. Only fair soil, considerable rock, slopes moderate. Area part burned by old fire. Considerable amount of fir only suitable for cordwood and some beetle killed.

Larch 4.9 M per acre, Part Burn 1931

Accessible.
Site: Larch II; fir 60.
Volume: 90% larch; 10% fir.
Diameters: Larch maximum 30 inches, average 22 inches.
Sawlog fir maximum 20 inches, average 16 inches.
Considerable large fir only cordwood.

Defects: Larch - fire damage, buttrot, some conk, crook.
Fir - fire damage, buttrot, limby, shake.

Remarks: Type between 4,200 and 5,000 feet elevation. Scattered spruce and lodgepole pine throughout. Parts of type quite badly burned in 1931. Small area of beetle killed trees. Rot is increasing from fire damage and stand should be logged as soon as possible. Fair soil, patches of rock and moderate slopes.

Yellow Pine 5.5 M per acre

See main type compartment 6.

90 acres

Yellow Pine-Fir 2.5 M per acre

See type of same name (1,050 acres) compartment 6.

120 acres
Immatute Areas

Slightly over 1,000 acres of lodgepole pine 1876. 90% part burned in 1931. Extends from 4,500 feet contour to top of Vaseaux Creek divide. Site fair, soil fair, slopes moderate to easy and numerous rock outcrops. Lodgepole pine 1932, understory in most parts of type.

About 70 acres of lodgepole pine 1933 near top of divide.

Compartment 5D

Main: Area

Larch - fir 7.2 M. per acre 2,440 acres

Accessible: Log roads up Baldy Creek.
Site: Larch II, fir 70, yellow pine medium.
Volume: 68% larch, 29% fir, 3% yellow pine.
Diameters: Larch maximum 44", average 22".
              Sawlog fir " 28", " 18".
              Yellow pine " 28", " 16".

Considerable fir and larch cordwood trees not included in above.

Defects: Larch fire scar, buttrot, some conk.
           Fir fire scar and buttrot, shake.
           Yellow pine buttrot and toprot.

General Remarks: Type extends from 3,800 to 4,500 feet contour. Yellow pine scattered throughout lower parts of type only. Old burn has damaged larch butts quite badly. Isolated patches of dead fir due to beetles. Some rock outcrops and patches of scrub fir. Slopes easy to moderate.

Mature Areas

Larch - fir 4.0 M. part logged 1921 - 23 910 acres

Accessible: Log roads throughout area.
Site: Larch II, fir 70, Yellow pine medium.
Volume: 46% larch, 43% fir, 11% yellow pine.
Diameters: Larch maximum 40", average 16".
           Fir " 30", " 15".
           Yellow pine " 32", " 18".

Considerable fir of large diameters with cordwood values only.

Defects: Larch buttrot.
           Fir buttrot, poor form, shake.
           Yellow pine buttrot, toprot.

General Remarks: Area part logged 1921-23 for Oliver irrigation project and milled at old mill site on Baldy Creek. Larch logged mostly, averages 5.3 stumps per acre, Fir 1.5, yellow pine 0.7. Area was left in good condition and understory is growing well. Average diameter of sawlog larch and fir is 16" which shows that the majority
of the trees are not mature. In general, soil good, but occasional patches of rock and scrub, slopes easy to moderate. Considerable buttrot in larch that was logged, fellers used spring boards. Several small types, one (yellow pine 7.5 M 40 acres), two yellow pine-larch-fir 2.5 M, 90 acres, bordering this type on east side. These are similar except that they have not been logged.

Larch 3.3 M per acre, Part Burn 1931

<table>
<thead>
<tr>
<th>Accessible.</th>
<th>210 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site: Larch III; fir 70.</td>
<td></td>
</tr>
<tr>
<td>Volume: 86% larch; 14% fir.</td>
<td></td>
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<tr>
<td>Diameters: Larch maximum 34 inches, average 16 inches.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fir maximum 24 inches, average 14 inches.</td>
</tr>
<tr>
<td>Defects: Larch - fire and insect damage, buttrot.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fir - fire and insect damage, buttrot and shake.</td>
</tr>
<tr>
<td>Remarks: Type extends from 4,200 and 5,000 feet. Area has been badly damaged by fire. Understory of yellow pine 1911 and larch-lodgepole pine 1933. Considerable rock, slopes moderate.</td>
<td></td>
</tr>
</tbody>
</table>

Larch-Fir 4.6 M per acre, Part Burn 1931

<table>
<thead>
<tr>
<th>Accessible.</th>
<th>760 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site: Larch III; fir 60.</td>
<td></td>
</tr>
<tr>
<td>Volume: 72% larch; 28% fir.</td>
<td></td>
</tr>
<tr>
<td>Diameters: Larch maximum 32 inches, average 20 inches.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fir maximum 26 inches, average 16 inches.</td>
</tr>
<tr>
<td></td>
<td>Considerable fir cordwood.</td>
</tr>
<tr>
<td>Defects: Larch - fire and beetle damage, buttrot and some conk.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fir - fire and beetle damage, buttrot and shake.</td>
</tr>
<tr>
<td>Remarks: Type extends from 4,600 to 5,000 feet contour. Most of it part burned in 1931 and remaining stand quite badly damaged. Considerable understory of lodgepole pine, larch and fir of all ages. Slopes moderate, soil fair and considerable rock and scrappy sites.</td>
<td></td>
</tr>
</tbody>
</table>

Larch-Fir 4.0 M per acre, Part Burn 1931

<table>
<thead>
<tr>
<th>Accessible.</th>
<th>360 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site: Larch III; fir 60; yellow pine short.</td>
<td></td>
</tr>
<tr>
<td>Volume: 60% larch; 36% fir; 2% yellow pine.</td>
<td></td>
</tr>
<tr>
<td>Diameters: Larch maximum 36 inches, average 20 inches.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fir maximum 34 inches, average 18 inches.</td>
</tr>
<tr>
<td></td>
<td>Considerable fir of larger diameters suitable only for cordwood.</td>
</tr>
<tr>
<td>Defects: Larch - fire damage, buttrot.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fir - fire damage, buttrot and shake.</td>
</tr>
<tr>
<td></td>
<td>Yellow pine - fire damage.</td>
</tr>
<tr>
<td>Remarks: The 1931 fire has done considerable damage. Good larch-lodgepole pine 1932 understory. Soil good, slopes easy. Insect damage.</td>
<td></td>
</tr>
</tbody>
</table>
Larch 4.0 M. part burn 1931
Accessible

Site: Larch III, spruce 80, fir 60, lodgepole pine 80.
Volume: 58% larch, 18% spruce, 12% fir, 12% lodgepole pine.

Diameters: Larch maximum 24", average 18".
Spruce " 20", " 14".
Fir " 22", " 14".
Lodgepole pine " 16", " 12".

Defects: Larch fire and insect damage
Spruce fire and insect damage, some buttrot.
Fir fire and insect damage, some shake.
Lodgepole pine catface and insect damage.

General Remarks: This is an isolated patch of timber which
the fire of 1931 only partly burned. As indicated by
average diameters, the stand is not yet mature, but insect
damage has been heavy, especially in spruce. Weeds and
scrub alder have choked reproduction in some parts. Soil
fair, slopes moderate. Trail from Camp McKinney road to
Vaseaux Creek passes through this type.

Larch 2.0 M. and Larch 1931
Scattered patches of old larch which have withstood several
fires and are rather defective. Their chief value is that
of seed trees. Soil good, slopes easy and little rock out-
crop. An understory of larch 1931.

Spruce 1.5 M. per acre
Young vigorous spruce mixed with lodgepole pine and larch.
Little defect. Good site, volume is increasing. Small
pocket within main type.

Larch - Fir 3.5 M. per acre
Small type along draw of Baldy Creek. Site good, soil good,
slopes moderate to steep.

Yellow pine - fir 4.0 M. per acre
Small type of average quality yellow pine - fir. Consider-
able amount of fir with only cordwood values. Site fair,
soil fair, slopes moderate.

Other Areas

Lodgepole pine 1931 and scattered seed trees
Lodgepole pine 8,000 per acre, larch 280 per acre.
Scattered larch seed trees throughout area and larch
seedlings occur in vicinity of same. Lodgepole pine makes
100% of stand beyond the radius of these. Slopes moderate
to steep, considerable rock outcrop. Fair percentage of area
with standing fire-killed lodgepole pine.
Larch 1931 and Larch Seed Trees  
Accessible.  
Site: Good.  
Density: 2,400 per acre; 99% larch; rest is spruce and fir.  
Potential Uses: Larch sawlogs.  
Remarks: Seed trees 17 per acre, of little value save for reseeding. Slopes easy to moderate, little rock. A good site which has not been changed by fires. Previous stand was mixed larch, fir and lodgepole pine.

Lodgepole Pine 1932 - Lodgepole Pine Seed Trees 2,580 acres  
Similar to type above (Lodgepole pine 1931 and scattered seed trees). In general, slopes are easier and soil better. Scattered patches of fir-larch mature. Previous stand lodgepole pine.

Lodgepole Pine-Larch 1931 - Larch Seed Trees 390 acres  
Accessible.  
Site: Good.  
Density: 3,050 per acre; 74% lodgepole pine; 26% larch.  
Potential Uses: Larch sawlogs.  
Remarks: 13 larch seed trees per acre; this varies throughout the type, but due to them the percentage of larch will undoubtedly increase. Slopes even and growing site not greatly damaged by fires.

Lodgepole Pine-Larch 1931 - Larch Fir Seed Trees 510 acres  
Similar to type immediately above.

Lodgepole Pine 1979 - Part Burn 1931 610 acres  
Site good, soil good, slopes easy. A patch of lodgepole pine that was only partly burned in 1931; beetles active, satisfactory lodgepole pine reproduction in badly burned parts.

Fir-Yellow Pine Selectively Logged 1921-1923 290 acres  
Similar to main type, Compartment 50.

There are numerous small types scattered throughout the compartment of lodgepole pine 1931, lodgepole pine 1885, etc., very similar to that immature type already described.
Compartment 6

Main Area

Yellow pine 5.6 M. per acre 1,530 acres
Accessible: Logging roads to lower part connecting with Camp McKinney road.
Site: Yellow pine medium, fir 70.
Volume: 95% yellow pine, 5% fir.
Diameters: Yellow pine maximum 40", average 18".
    Fir " 32", " 14".
Considerable fir of large diameters with cordwood values only.
Defects: Yellow pine, some butt and top rot, some beetle damage.
    Fir shake, limby, poor form.
General Remarks: Good growing site for yellow pine. Slopes moderate to steep, soil good, some rock outcroppings. Some of the old yellow pine succumbing to beetles, should be removed. An ideal stand for selective cutting.

Mature Areas

Larch - fir 3.5 M. per acre 1,350 acres
Accessible
Site: Larch III, fir 70, spruce 60.
Volume: 59% larch, 44% fir, 3% spruce.
Diameters: Larch maximum 32", average 16".
    Fir " 30", " 16".
    Spruce " 18", " 14".
Considerable fir and some larch of larger diameters with cordwood values only.
Defects: Larch buttrot, insect damage, some conk.
    Fir buttrot, shake, limby, insect damage.
    Spruce poor quality and some rot.
General Remarks: Type lies between 4,000 and 4,500 foot contour. Slopes moderate to steep, soil fair, considerable rock outcrop. Spruce confined to draws. Lodgepole pine scattered throughout the stand.

Yellow pine - fir 2.5 M. per acre. 1,050 acres
Accessible
Site: Yellow pine short, fir 60, larch III.
Volume: 75% yellow pine, 22% fir, 3% larch.
Diameters: Yellow pine maximum 32", average 18".
    Fir " 28", " 14".
    Larch " 18", " 16".
Considerable fir of large diameters with cordwood values only.
Defects: Yellow pine – fire scar and buttrot, fair to poor quality.
Fir – short, limby, shake, poor quality.
Larch – fire scar and buttrot.

Remarks: Slopes moderate to steep, soil fair to poor, considerable rock and scrub. Larch confined to wet sites. Timber of only fair quality. Some insect damage to fir and yellow pine.

Yellow Pine–Fir 0.8 M per acre, 25% Rock 360 acres
Accessible. Log roads along north side of type.
Site: Yellow pine short; fir 60.
Volume: Yellow pine 79%; fir 21%.
Considerable fir with cordwood value only.
Diameters: Yellow pine maximum 22 inches, average 18 inches.
Fir maximum 24 inches, average 12 inches.
Defects: Yellow pine – poor quality, butt and top rot, limby.
Fir – very poor quality, bad shake, limby, etc.
Remarks: See main type, compartment 5A.

Yellow Pine 3.2 M per acre, 40% Rock 180 acres
Accessible.
Site: Yellow pine medium.
Volume: 100% yellow pine.
Diameters: Yellow pine maximum 24 inches, average 18 inches.
Defects: Yellow pine – buttrot, toprot, insect damage.

Larch 5.7 M per acre, Part Burn 1950 240 acres
Accessible.
Site: Larch III; fir 60.
Volume: 88% larch; 12% fir.
Diameters: Larch maximum 30 inches, average 16 inches.
Fir maximum 24 inches, average 14 inches.
Defects: Larch – fire damage and buttrot, insect damage, some coak.
Fir – fire and insect damage, buttrot, shake, limby. Some fir and larch with cordwood values only.
Remarks: Type is around 4,500 feet contour. Slopes moderate, soil fair, some rock outcrop. Various aged lodgepole pine scattered throughout. Considerable fire killed lodgepole pine and lodgepole blowdown. Insects have damaged all species throughout. Understory of larch-lodgepole pine 1951 in badly damaged areas.
Several patches of yellow pine semi-open range totaling 670 acres scattered throughout compartment. It is a transition stage from open range to timber and occurs mostly along margins at higher elevations of open range or on wet sites in the open range. The volume varies from 0.4 M to 0.8 M per acre and is 100% yellow pine. The fir, if present, is too defective for sawtimber. The yellow pine is short and of poor quality but very accessible and some logs have been removed. In general the slopes are easy and soil deep.

Yellow Pine 2.0 M per acre (Mixed aspen & cottonwood) 100 acres
This type estimated by reconnaissance. Occurs on small protected flat along creek. Deep rich soil. Will probably be cultivated in time. Some trees have been removed for farm purposes.

Other Areas

Lodgepole Pine-Larch 1876 200 acres
Accessible. Site: Fair.
Density: Omitting zeros, 403 trees per acre; 80% lodgepole pine; 20% larch.
Potential Use: Larch - sawlogs and ties.
Remarks: Extends between 4,500 to 5,000 feet. Has been damaged to some extent by 1931 fire along its margins. Slopes moderate to steep, considerable rock, soil fair. Will be of value for larch products, e.g. ties, lumber.

Yellow Pine Logged 1926-1934 660 acres
Accessible: Log roads throughout.
Site: Good.
Density: 310 per acre. Practically 100% yellow pine.
Potential Use: Yellow pine sawlogs, fir cordwood.
Remarks: Logging yellow pine 4.3 stumps per acre. Site has some rock and scrub area but otherwise remarks for main area, compartment 50C are applicable.

Yellow Pine Logged 1926-1934 (semi-open range) 80 acres
An area of semi-open range on Camp McKinney road that has been logged partly for sawlogs and partly for local farm purposes. Similar to other semi-open range areas.

Yellow Pine-Aspen-Cottonwood Logged 130 acres
An area of bottom land surrounding cultivation which has been logged for farm purposes for many years.
Lodgepole Pine 1932 and Seed Trees 180 acres
See main type, compartment 10A.

Lodgepole Pine 1932 and Scattered Seed Trees 180 acres
See main type, compartment 10A.

Lodgepole Pine-Larch 1932 50 acres
Two patches of burn within larch-fir 3,5 M type.

Larch-Lodgepole Pine-Fir 1932 & Larch-Fir Seed Trees 100 acres
Small type near top of divide between 4,500 to 5,000 feet elevation. Steep slopes out of draw, considerable rock. Good soil in draw, but otherwise poor. Will develop into sawlog values.

Lodgepole Pine 1876 120 acres
Small patch of unburned lodgepole pine at about 4,500 feet elevation.

Open Range 7,300 acres
Mostly spring and autumn grazing. Mostly overgrazed.

Compartment 7

Main Area

Burn 1931 1,750 acres
Accessible.
Site: Fair.
Density: 75 per acre fir; fir seed trees, 3 per acre.
Remarks: Parts of area growing up with willow and brush. Scattered over a variety of sites on both sides of Testa-linder and Hester Creeks. Parts with standing fire killed fir. Slopes moderate to steep, patches of rock and scrub sites.

Mature Areas

Fir 1.6 M per acre, Part Burned 1931 40 acres
Accessible.
Site: Fir 60; spruce 60.
Volume: 88% fir; 18% spruce.
Diameters: Fir maximum 34 inches, average 18 inches.
Remarks: Fir - short, limby, poor form, fire and insect damage. Spruce - fire damage.

Fir-Yellow Pine 4.0 M per acre 60 acres
Accessible.
Site: Fir 100; yellow pine medium.
Volume: Fir 69%, yellow pine 31%.
Diameter: Fir maximum 24 inches, average 14 inches. Considerable fir of cordwood value only.
Remarks: Confined to creek bottom, fire burned to edge of canyon and left narrow belt along creek. A few scattered large yellow pine throughout stand. Two more similar types of 120 acres (Hester Creek) and 80 acres (Testalinder Creek).

Fir Cordwood (fir) 0.4 M per acre 300 acres
Accessible.
Site: Fir 60.
Remarks: Stand of very poor quality; most mature trees cordwood only. Site exposed and fir full of shake.

Spruce-Fir 4.7 M per acre 240 acres
Accessible.
Site: Spruce 100; fir 60.
Volume: Spruce 66%; fir 34%.
Diameters: Spruce maximum 24 inches, average 16 inches.
Fir maximum 23 inches, average 16 inches.
Defects: Spruce - limby, some crook.
Fir - limby, shake.

Fir 4.0 M per acre 180 acres
Similar to type fir 3.8 M, 530 acres, Compartment 4.

Fir 3.8 M per acre 50 acres
Similar to type of same name, 550 acres, Compartment 4. Some inaccessible types of fir and spruce-fir, totaling 110 acres, at headwaters of Hester Creek. Timber of poor to fair quality and road building expensive. Not sufficient timber to bear cost of logging.

Immature Areas
910 acres of reproduction. Scattered along upper slopes of Testalinder, Hester, and Tin Horn creeks. Established after the 1921 fire. Mostly fir 1934 mixed with varying percentage of lodgepole pine. Sites vary but in general are fair. Slopes moderate to steep. Part with scattered fir seed trees.

Compartment 8

Main Area

Yellow Pine Selectively Logged 1925-1937 2,390 acres
Accessible. Main roads and log roads throughout area.
Site: Poor.
Density: 230 per acre, 61% yellow pine; 19% fir.
Potential Use: Box lumber and cordwood.
Remarks: An extensive type that covers various sites. From 1500 to 2500 feet elevation; broken by local hills. Parts have 25% rock, and remainder has patches of rock outcrop and scrub. In general the timber occurs on productive benches and flats between rock and scrub areas. Timber is open, short and limby, and fir has little use except as cordwood. Slopes easy to moderate. Timber has been removed for local purposes as well as logged for sawtimber and cordwood. Stumps average - yellow pine 5.5, fir 0.5 per acre.

Other Areas

Considerable area along river of aspen-willow-cottonwood. Some scattered values, but mostly non-commercial cover. Soil good and irrigation water available, area probably will be used for cultivation.

Compartment 9

Main Area

Yellow Pine Selectively Logged 1922-1927 1,910 acres
Accessible: Main and log roads throughout.
Site: Poor.
Density: 260 per acre; 81% yellow pine; 19% fir.
Potential Use: Box lumber and cordwood.
Remarks: Similar to main type - Compartment 8.

Mature Areas

Fir (Fir cordwood) 2.2 M per acre 770 acres
Accessible.
Site: Fir 60.
Volume: 100% fir.
Diameters: Fir maximum 26 inches, average 18 inches. Considerable fir of cordwood value only.
Defects: Fir - buttrot, crook, ringshake.
Remarks: Extends from 3000 to 5000 feet. Slopes moderate to steep. A clean stand coming in after an old burn. Old stand defective. 70 acres adjoining, lower slopes, part logged, 1.5 fir stumps per acre.

Fir 7.0 M per acre 300 acres
Accessible.
Site: Fir 80; spruce 80.
Volume: 87% fir; 13% spruce.
Diameters: Fir maximum 40 inches, average 22 inches. Spruce maximum 24 inches, average 18 inches. Some fir of only cordwood value.
Defects: Fir - limby, crook, buttrot, catface, some shake. Spruce - limby, crook.
Remarks: Good quality fir, fair spruce. Patches of very old logging on area, probably for mining purposes. Slopes moderate to steep.
Yellow pine - 2.5 M. per acre

Accessible.
Site: Yellow pine short, fir 60.
Volume: 92% yellow pine, 8% fir.
Diameters: Yellow pine maximum 40", average 24".
Fir " 30", " 18".
Also some cordwood fir.
Defects: Yellow pine - fire scar, limby, buttrot.
Fir - limby, fire scar, buttrot, ringshake.
Remarks: Poor quality yellow pine suitable for box shook;
very poor quality, little use except as cordwood.

Fir cordwood

Remarks: This covers an area of side hill from 3000 to 4500 feet; slopes moderate to steep. Site exposed.
Fir very short, limby, and full of shake - suitable only for cordwood. Other species - yellow pine, spruce, lodgepole pine poor and of negligible volume. Heavy fir reproduction in understory; might be free of shake if utilised at young age.

Fir cordwood (yellow pine) - 0.3 M. per acre

Accessible
Site: Yellow pine short, fir 70.
Volume: 75% yellow pine, 25% fir.
Diameters: Yellow pine maximum 30", average 22".
Fir " 20", " 14".
Large fir only cordwood.
Defects: Yellow pine, fire scar, buttrot, limby, short.
Fir, fire scar, buttrot, limby, ringshake, crock, some insect damage.
Remarks: Type covers low rocky ridges and is of poor quality and site. Considerable rock and scrub. Stand open. Fir very poor quality and larger trees suitable only for cordwood. Yellow pine poor quality.

Fir - 4.1 M. per acre - Part burn 1929, 1930

Accessible
Site: Fir 80, yellow pine medium.
Volume: 95% fir, 5% yellow pine.
Diameters: Fir maximum - 36", average 20".
Yellow pine " 26", " 20".
Some fir cordwood only.
Defect: Fir, fire scar, buttrot, some insect damage, ring shake. Yellow pine, fire scar, buttrot, limby.
**Remarks:** Some of this area was burned in 1929 and some in 1930. Considerable dead trees due to fire and beetle damage. Slopes moderate to steep. Some rock. Fair quality fir.

<table>
<thead>
<tr>
<th>Forest Type</th>
<th>Density</th>
<th>Potential Use</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spruce-fir</td>
<td>4.7 M. per acre</td>
<td>Similar to same type 240 acres, Compartment 7.</td>
<td>50 acres</td>
</tr>
<tr>
<td>Fir cordwood (fir)</td>
<td>0.4 M. per acre</td>
<td>Similar to same type 300 acres, Compartment 7.</td>
<td>120 acres</td>
</tr>
<tr>
<td>Fir-spruce</td>
<td>3.5 M. per acre</td>
<td>Fair site, slopes moderate, accessible, patches of fir-spruce. 1900 mixed in with old stand</td>
<td>180 acres</td>
</tr>
<tr>
<td>Fir-yellow pine</td>
<td>1.5 M. per acre; semi-open range</td>
<td>Poor quality, open stand, accessible, may be used for mining purposes.</td>
<td>180 acres</td>
</tr>
<tr>
<td>Yellow-pine (fir cordwood)</td>
<td>0.4 M. per acre; semi-open range</td>
<td>Poor quality, open stand, accessible, may be used for mining purposes.</td>
<td>210 acres</td>
</tr>
</tbody>
</table>

**Other Areas**

<table>
<thead>
<tr>
<th>Forest Type</th>
<th>Density</th>
<th>Potential Use</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow pine - partially burned, semi-open range</td>
<td>Accessible: Main roads throughout area. Site: Poor. Density: 80 per acre, 62% yellow pine, 28% fir. Potential Use: Yellow pine - box shuck, fir - cordwood. Remarks: Area suffered severe burn 40 to 50 years ago. 90% of stand 7&quot; and under. Stand open; about 15% rock, 25% open range. Scattered old trees of poor quality, short, limby, fire-scarred. Type broken by local ridges of rock. Second growth probably will be of better quality than former stand. Fir cordwood site only. 70 acres yellow pine selectively logged, S.O.R. adjoining. Same as above only logged, 3.5 yellow pine stumps per acre. Mostly used for local farm purposes. 50 acres yellow pine-fir selectively logged, S.O.R. adjoining; also similar.</td>
<td>570 acres</td>
<td></td>
</tr>
<tr>
<td>Fir-yellow pine logged</td>
<td>Accessible: Main roads through area. Site: Poor. Density: 150 trees per acre, 86% fir, 14% yellow pine. Potential Use: Fir - sawtimber &amp; cordwood, yellow pine - box shuck. Remarks: Area logged; fir 2.9 per acre, average diameter 26&quot;; Yellow pine 0.5 per acre. Some logging, very old used for mining purposes. Patches of aspen and brush throughout. Site poor, numerous areas of scrub and rock. 70 acres of fir logged 1928 adjoining - very similar.</td>
<td>470 acres</td>
<td></td>
</tr>
</tbody>
</table>
Fir-spruce logged

Accessible: Log roads through area
Site: Fir 60, spruce 80.
Density: 225 trees per acre, 95% fir, 5% spruce.
Potential Use: Fir saw logs & cordwood, spruce saw logs.
Remarks: Satisfactorily stocked, normal distribution throughout diameter classes. Spruce confined mostly to creek. Stumps: Fir 14, spruce 2.2 per acre. Fair quality timber.

110 acres

Fir logged

Accessible: Roads through area.
Site: Fair.
Density: 180 per acre, 95% fir, 5% yellow pine.
Potential Use: Fir sawlogs & cordwood, yellow pine box shock.
Remarks: Very similar to fir-yellow pine log, 470 acres, same compartment, but better site. Some of this area logged 1933.

460 acres

Fir-yellow pine logged 1934

Accessible: Roads in area.
Site: Fir poor, yellow pine fair.
Density: Yellow pine 8 trees per acre, Fir 160 trees.
Potential Use: Fir saw logs & cordwood, yellow pine box shock.
Remarks: Patches of 50 to 60 year old fir and yellow pine. Old trees scattered throughout, of poor quality with old fire damage. Poor site for fir, old trees mostly cordwood. Next stand will probably be of better quality but fir should be removed at young age before developing too much shade. Scattered logging. Considerable rock.

200 acres

Fir-spruce 1900 & seed trees

No strips through this type. Extends from 3500 to 5300 feet. Slopes moderate to steep. Fair to good site. Scattered fir seed trees of little value.

450 acres

Compartment 10A

Main Area

Lodgepole Pine 1932 and Seed Trees

Remarks: Made up of six areas above the canyon on the South side of Vasquez Creek. The Lodgepole pine varies in density from a few hundred to 10,000 per acre, depending on the seed trees. Lodgepole pine seed trees (mostly 1976) are scattered throughout the area. The site in general is fair. Considerable rock and scrub. Slopes easy to steep.

1710 acres

Mature Areas

Yellow pine - 1.1 M. per acre - semi-open range

Accessible
Site: Yellow pine short.

730 acres
Volume: 100% yellow pine.
Diameters: Yellow pine maximum 34 inches, average 20 inches.
Defects: Yellow pine - short, limby, poor form, buttrot.

Larch 8.1 M per acre, Part Burn 1932
850 acres

Accessible.
Site: Larch II; fir 80.
Volume: 82% larch; 18% fir.
Diameters: Larch maximum 34 inches, average 22 inches.
Fir maximum 28 inches, average 18 inches.
Defects: Larch - bad fire damage, crook, conk.
Fir - limby, bad fire damage, crook.
Remarks: Area has been badly burned and patches of larch-fir 1932 are scattered throughout. Also lodgepole pine understory has been about 50% fire killed. Type extends from Vaseaux Creek up the steep sidehill to flat above, where the 1932 fire burned more fiercely and cleaned it out. Slopes moderate to steep. Road building up Vaseaux Creek expensive and this timber will be logged only as these species increase in value.

Yellow Pine 3.0 M per acre
310 acres

Remarks: No strips but estimated by comparison with tally 0-20, strip #36E. Site fair for yellow pine, poor for fir. Considerable rock outcrop with productive benches between. Slopes moderate to steep. Difficult road building but accessible.
Fir-yellow pine, 2.0 M, 80 acres made up of two small pockets of timber further up on sidehill. Larger percentage of fir. Poor site. Logging difficult.
Three fir-larch types totaling 1,260 acres, along south side of Vaseaux Creek. These areas have been part burned in 1932. Extend from the creek up the steep sidehill and onto the flat above. Considerable area of rock and scrub. Road building up on to the flat on the south side will be expensive. Volumes of these types estimated fir-larch 7.0 M, 110 acres estimated. Small pocket of good looking larch up small creek and close to height of land. Probably some spruce in creek bottom. Lodgepole pine 1875 understory.

Yellow Pine 0.8 M per acre, Semi-Open Range
80 acres

Estimated similar to type yellow pine 1.1 M, semi-open range, but a little more open.
Yellow Pine-Cottonwood 1.5 M per acre 80 acres
Estimated yellow pine open, limby. Soil good, slopes easy.
Cottonwood defective. Most of area will probably become
cultivated.

Other Areas

Fir, Larch, Lodgepole Pine 1932 & Fir-Larch Seed Trees 930 acres
Extends from top of canyon south over flat to steep hillside.
Scattered fir-larch have survived which are of little value
except for seeding. Considerable rock and scrub area. Slopes
easy to steep. A fair site which will be accessible. Approx-
imately 1,500 acres more of productive site. A conglomerat-
on of types, more than half of which are lodgepole pine 1876 or
lodgepole pine 1876 part burn 1931; the remainder is lodgepole
pine, larch, fir 1932, mixed in varying degrees with scattered
fir-larch seed trees throughout. Almost entire area is nor-
mally stocked. In general, site is fair to good. Slopes vary
all the way from easy to steep. Will be accessible.
Remainder of compartment is scrub and rock, most of which has
been burned over. Some of it near top of divide is clean
burn where area has been burned twice.

Compartment 108

Main Area

Mixed Lodgepole Pine 1872 and 1835 3,660 acres
See compartments 27, 28, 29 Inakeep Report 1925. Spot fires
from 1931 burn scattered along lower edges of type. Some
spruce throughout. 1,060 acres of spruce-balsam-lodgepole
pine along upper edge of this type 5,500 to 6,000 feet.
Considered inaccessible. Poor quality. Seems pulp timber
from pictures.

Mature Areas

Larch 7.5 M per acre 140 acres
Accessible.
Site: Larch II; fir 70.
Volume: 91% larch; 9% fir.
Diameters: Larch maximum 34 inches, average 24 inches.
Fir maximum 26 inches, average 22 inches.
Defects: Larch - bad fire damage, crook, buttrot.
Fir - bad fire damage, buttrot, crook, limby.
Remarks: Slopes moderate. Timber badly fire damaged.
Lodgepole pine understory, 50% fire killed.
New understory since fire is larch-fir. Spruce
and cottonwood in creek. Young stand.
Larch - Spruce - 7.0 M. per acre 170 acres
Accessible:
Site: Larch II, spruce 10C, fir 70.
Volume: 52% larch, 41% spruce, 7% fir and balsam.
Diameter: Larch maximum 24", average 18".
Spruce " 18", " 14".
Fir " 16", " 14".
Defects: Larch, bad fire damage, crook, buttroot.
Spruce, bad fire damage, crook.
Fir, bad fire damage, buttroot, crook limby.
Remarks: See larch type above.

Larch - Fir - Spruce - 8.0 M. per acre 120 acres
Reconnaissance. Accessible. Remarks similar to larch 7.5 M. above.

Other Areas

Lodgepole pine - Spruce 1876. 160 acres
Thrifty stand on good site, but edges suffered from fire.

Lodgepole pine 1835 and 1872 - part burned 800 acres

Lodgepole pine 1825 and 1865 - part burned 960 acres
See above.
Other areas of lodgepole pine; various ages, 1932, 1876. Site good on flats but rocky on side hills. Spruce scattered throughout on wet sites.

Compartment 10C

Main Area

Lodgepole Pine 1931 & patches of Lodgepole-Spruce seed trees 3600 acres
Extends from 4700 to 5700 ft. Site rocky on sidehill and good along creeks. Slopes easy to moderate in general.
Spruce scattered throughout, especially along creeks. Large amount of standing dead lodgepole pine due to fire and beetles.

Mature Areas

Larch - Fir - 5.2 M. per acre - part burned 1929 410 acres
Estimated. Slopes steep, expensive roads. Similar to larch 8.1 M. Part burned, 1932, 830 acres, Compartment 10A.

Fir - Larch - 2.0 M. per acre - part burned 1929 120 acres
Immature Areas

Lodgepole pine - spruce 1929, Spruce-Lodgepole pine

Seed Trees 1740 acres

Fire has only touched the edges of this type but 80% of mature stand is beetle killed. Slopes moderate; patches of rock, but in general site good. There was an understory of suppressed spruce about 60 trees per acre which was not affected by the beetle. These trees are now growing very rapidly, scattering more seed and increasing their percentage of the stand. There is also an understory of lodgepole pine growing up. The eventual stand will be lodgepole pine - spruce. Lodgepole pine types of various ages, 1932, 1873. In general slopes moderate. Sites rocky on sidehill and good along creeks. Scattering of spruce.

Compartment 10D

Main Area

Lodgepole pine 1876 3780 acres

Accessible

Site: In general good for lodgepole pine, but poor and rocky on tops of knolls and slopes.

Density: 970 per acre, 96% lodgepole pine, 4% spruce.

Remarks: Most of the area is over 5000 ft. elevation. Slopes easy to moderate. Some of the area is part burned. Scattered old fir - larch seed trees. Patches of insect damage.

Mature Areas

Several small areas of mixed lodgepole pine and spruce and mixed fir - spruce. These stands were only estimated; however, they represent such small volume that they must be regarded as sub-types of the surrounding lodgepole pine, immature stands.

Decadent lodgepole pine - spruce 1100 acres & 40 acres

Extends from 5500 to 5800 feet - covers a local ridge. This stand was estimated. Area has been badly damaged by beetles and the timber is short and of poor quality. Slopes are easy.

Other Areas

Lodgepole pine 1929 & Mixed Lodgepole pine 1845 & 1867

Seed Trees 960 acres

Accessible

Site: Good.

Density: 1550 per acre, 100% lodgepole pine.

Remarks: The former stand of lodgepole pine was damaged by the fire of 1929. Due to this and subsequent beetle attacks 50 to 90% of this old stand is standing and dead. There is a satisfactory understory of lodgepole pine 1929. Slopes are easy and in general site is good.
Lodgepole pine 1932 & Scattered Seed Trees 1520 acres &
Result of 1929 burn. Slopes easy to moderate. 620 acres
In general site fair - some rock outcrops.

Lodgepole pine 1880 440 acres & 360 acres
Similar to main type - Compartment 11B.

Lodgepole pine 1895 820 acres
Similar to type of same name and acreage - Compartment 10E.

Lodgepole pine 1845 - Scattered fir. 330 acres
Poor site, covers local knoll at 5500 feet elevation. Slopes easy. Some scattered fir throughout.

Lodgepole pine 1845 - Scattered spruce 1900 acres
Slopes easy to moderate. See Inkanee Report 1925.

Lodgepole pine 1845 - Patches Spruce 900 acres
Slopes moderate. Spruce occurs in patches throughout type; also some scattered through general stand. Extends from 5500 to 6000 ft. contour. Poor site.

Lodgepole pine 1895 - Patches burned 340 acres
Broken up area of lodgepole pine 1895, some of which was practically burned out and other parts hardly touched. Dense understory of lodgepole pine 1932. In general, site good and slopes easy. Beetles active. Other small immature areas of lodgepole pine. Same ages represented as already described. In general, site good and slopes easy.

Compartment 10E

Main Area

Larch - Fir - 7.9 M. per acre 3300 acres

Accessible
Site: Larch II, Fir 100, Spruce 30, Yellow pine medium.
Volume: Larch 51%, Fir 46%, Spruce & Yellow pine 3%.
Diameters: Larch maximum 36", average 24".
Fir " 36", " 24".
Spruce " 20", " 16".
Considerable fir cordwood.
Defects: Larch - fire scar and buttrot, some conk, insect damage. Fir - fire scar and buttrot, ring shake, crock, insect damage. Spruce - some buttrot, and crock. Yellow pine - buttrot, fire scar, insect damage.

Remarks: Extends from 3,000 to 4,500 feet. In general, slopes are easy to moderate except near the canyon of lower Dutton Creek. A good site especially for larch. Yellow pine is confined to lower elevations and spruce to creek bottom and wet sites. An old fire caused some damage to stand which is the cause of considerable buttrot. Part burned along east edge by 1929 fire. Insects active, isolated patches (old and recent) of dead fir and some larch found throughout. Good understory of fir-larch. Stand is mature and should be logged before beetles become epidemic. Area can be reached either from Dutton or Shuttleworth Creeks, cost of road building should be moderate. Small patch of spruce 1.7 M - part burn 30 acres. (Adjoins east margin of type). Young stand. Beetle and fire damage.

**Mature Areas**

**Yellow Pine 0.6 M per acre, Semi-open Range**

<table>
<thead>
<tr>
<th>Acres</th>
<th>60 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site</td>
<td>Open stand, 100% yellow pine, short, limby and poor quality. Very accessible, slopes easy.</td>
</tr>
</tbody>
</table>

**Yellow Pine 2.0 M per acre**

<table>
<thead>
<tr>
<th>Acres</th>
<th>100 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site</td>
<td>Yellow pine medium; fir short.</td>
</tr>
<tr>
<td>Volume</td>
<td>Yellow pine 100%.</td>
</tr>
<tr>
<td>Diameters</td>
<td>Yellow pine maximum 24 inches, average 18 inches.</td>
</tr>
<tr>
<td>Defects</td>
<td>Yellow pine - fire damage, buttrot, limby.</td>
</tr>
<tr>
<td>Remarks</td>
<td>An old fire (1921) has damaged this stand to some extent. Good reproduction. Stand occurs on productive benches amongst rock; slopes moderate to steep. Site too exposed for fir - only cordwood.</td>
</tr>
</tbody>
</table>

**Yellow Pine 3.5 M per acre, 40% Rock**

<table>
<thead>
<tr>
<th>Acres</th>
<th>370 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site</td>
<td>Yellow pine medium; fir 70.</td>
</tr>
<tr>
<td>Volume</td>
<td>92% yellow pine; 8% fir.</td>
</tr>
<tr>
<td>Diameters</td>
<td>Yellow pine maximum 28 inches, average 24 inches. Fir maximum 20 inches, average 16 inches. Considerable cordwood fir.</td>
</tr>
<tr>
<td>Defects</td>
<td>Yellow pine - fire damage and buttrot, limby, crock. Fir - fire damage and buttrot, limby, shake.</td>
</tr>
<tr>
<td>Remarks</td>
<td>Rocky rough hillsidewith productive pockets and benches. Parts will be fairly difficult to log. Site very poor for fir. Stand open.</td>
</tr>
</tbody>
</table>

**Yellow Pine 2.0 M per acre**

<table>
<thead>
<tr>
<th>Acres</th>
<th>60 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site</td>
<td>Small type confined to lower part of Dutton Creek, very accessible. Patches of aspen throughout.</td>
</tr>
</tbody>
</table>
Yellow pine - 2.0 M. per acre - 50% Rock

Accessible
Site: Yellow pine medium, fir short.
Volume: 100% yellow pine.
Diameters: Yellow pine maximum 32", average 22".
Remarks: Similar to Yellow pine, 3.5 M., 40% rock.

Yellow pine (Fir cordwood) - 5.3 M. per acre

Accessible
Site: Yellow pine medium fir 100.
Volume: 93% yellow pine, 7% fir.
Diameters: Yellow pine maximum 36", average 24".
Fir 26", 16".
Remarks: Moderate slope in general but steep into Dutton Creek. Site too exposed for good quality fir.

Larch - 6.1 M. per acre - Part burn 1929

Accessible
Site: Larch II, Fir 80.
Volume: 90% larch, 10% fir.
Diameters: Larch maximum 32", average 26".
Fir 26", 16".
Defects: Larch, fire scar & insect damage, buttrot and crook.
Fir, fire scar, buttrot, crook, shake, and insect damage.
Remarks: Timber quite badly damaged by fire; insects active.
Dense understory of larch 1929. Good site, slopes easy.

Larch - fir - 5.5 M. per acre
Similar to type of same name - 960 acres - Compartment 11B.

Fir - larch - 3.0 M.
Small patch of timber extending from Vaseaux Creek up small tributary on North side to top of ridge. Partly inaccessible.

Yellow pine - 2.0 M. per acre
Similar to Yellow pine 2.0 M. 100 acres, same Compartment.

Yellow pine - 0.3 M. per acre - Semi-open Range

Yellow pine (Fir cordwood) 1.5 M. per acre - Semi-open Range
Estimated. Poor quality Yellow pine and cordwood fir. Stand open, short, limby.

Yellow pine - 0.5 M. per acre - Semi-open Range
Similar to above.
Other Areas

Yellow Pine Selectively Logged

200 acres

Accessible.

Site: Fair to good for yellow pine, poor for fir.

Density: 660 trees per acre, practically 100% yellow pine.

Potential Use: Yellow pine box shook.


Lodgepole Pine 1930 and Scattered Seed Trees

1150 acres


Lodgepole Pine 1867 - Scattered Spruce

190 acres

Remarks: Lodgepole pine normally stocked; spruce about 65 per acre, ranging throughout all diameters. Part burn 1929. Spruce is increasing by comparison with lodgepole pine. Good site.

Lodgepole Pine 1929 and Scattered Seed Trees

310 acres

Remarks: Similar to lodgepole pine 1930, type above, except density much heavier, 22,000 per acre, and more seed trees.

Lodgepole Pine 1895

820 acres

2,500 acres of productive site. Comprises various types, which are for the main part lodgepole pine 1929, lodgepole pine 1895, lodgepole pine 1887, with some larch fir mixed in. In general, the site is good, slopes easy to moderate, and good soil conditions.

Accessible: Slopes easy. Lodgepole pine about 820 per acre. Scattered spruce and larch. Lodgepole pine mostly 2-4 inches diameter and 40 feet high. In general, site good.

Compartment 11A

Main Area

Larch-Fir 7.1 M per acre

1760 acres

Accessible.

Site: Larch II; fir 90.

Volume: 66% larch; 32% fir.

Diameters: Larch maximum 38 inches, average 24 inches.

Fir maximum 34 inches, average 20 inches.

Some cordwood fir.

Defects: Larch - fire scar and buttrot, beetle damage.

Fir - fire scar and buttrot, limby, bad form, shake, beetle damage.

Remarks: Similar to main type, Compartment 10E.
Mature Areas

Yellow pine (fir cordwood) 3.3 M. per acre 1050 acres

Accessible

Site: Yellow pine medium, fir 60.
Volume: 100% yellow pine.
Diameters: Yellow pine maximum 32", average 22".
   Considerable fir but mostly cordwood.
Defects: Yellow pine, buttrot, limby, insect damage, fire scar.
   Fir short, limby, mature, suitable only for cordwood.
Remarks: Old fire damage to stand. Insects active. Small
   areas of beetle-killed trees throughout. Patches of scrub
   and rock. Slopes moderate except along edge of Suttleworth
   Creek canyon. Good site for yellow pine, poor for fir. Road
   costs moderate. Stand is ready for logging. Fair understory
   of yellow pine - fir.

Larch - yellow pine - 5.5 M. per acre - Part burn 1925 440 acres

Accessible

Site: Larch II, Yellow pine tall, Fir 70.
Volume: 60% larch, 34% yellow pine, 6% fir.
Diameters: Larch maximum 28", average 20".
   Yellow pine " 42", " 24".
   Fir " 26", " 20".
   Considerable fir cordwood.
Defects: Larch, fire scar, buttrot, crook.
   Yellow pine, fire scar, buttrot, crook.
   Fir, fire scar, buttrot, crook, limby.
Remarks: In general, slopes easy but steep into Shuttleworth
   canyon. A good site with good soil conditions. 1925 fire
   has done some damage and weakened some of the stand - small
   patches of beetle killed trees. Road costs moderate. Ready
   for logging.

Yellow pine (fir cordwood) 1.6 M. per acre - 50% rock and
   open range 380 acres

Accessible

Site: Yellow pine medium, fir 60.
Volume: 86% yellow pine, 14% fir.
Diameters: Yellow pine maximum 34", average 20".
   Fir " 32", " 18".
   Considerable cordwood fir.
Defects: Yellow pine, fire scar and buttrot, limby.
   Fir, fire scar and buttrot, crook, limby, and dead shake.
Remarks: Open stand. Timber occurs on productive benches and
   flats between rock outcrops and scrub. Slopes moderate to
   steep. Road into lower part of type, but in general, road
   building expensive especially at higher elevations. Site
   exposed and dry. Yellow pine fair quality, but fir full of
   shake. 70 acres yellow pine logged 1927-1932, adjoining
   lower edge of type.
Yellow Pine 1.1 M per acre - Semi-Open Range  710 acres
Accessible: Roads throughout.
Site: Yellow pine short.
Volume: 100% yellow pine.
Diameters: Yellow pine maximum 26 inches, average 20 inches.
Defects: Yellow pine - buttrot, limby.
Remarks: Very open stand, short and limby. Slopes easy. Will only be logged because of accessibility. Area will probably become farm land. Some trees removed for local farm uses.

Yellow Pine 1.0 M per acre - 50% Rock  190 acres
Accessible.
Site: Yellow pine short.
Volume: 100% yellow pine, some fir cordwood.
Diameters: Yellow pine maximum 28 inches, average 18 inches.
Defects: Yellow pine - fire scar, buttrot, limby.
Remarks: See yellow pine (F) 1.6 M type above.

Compartment 11B

Main Area

Lodgepole Pine 1890  5950 acres
Accessible: Slopes easy to moderate.
Site: Most of area above 5,000 feet elevation. Site good along creeks and draws, but considerable rocky sites on sidehills and tops of ridges.
Remarks: Some spruce scattered throughout better sites. Also several patches of lodgepole pine-spruce; considered as subtype.

Mature Areas

Fir 3.6 M per acre - Part Burned  100 acres
Accessible.
Site: Fir 80; larch III.
Volume: 95% fir; 5% larch.
Diameters: Fir maximum 36 inches, average 18 inches.
Defects: Fir - fire scar, ring shake, toprot.
Larch - buttrot, ring shake, toprot.
Remarks: Slopes moderate. Dense understory of fir and some lodgepole pine.

Larch-Fir 5.7 M per acre  960 acres
Accessible.
Site: Larch II; fir 70; spruce 80.
Volume: 53% larch; 46% fir; 1% spruce.
Diameters: Fir maximum 30 inches, average 18 inches.
Larch maximum 28 inches, average 18 inches.
Defects: Larch - fire scar, buttrot, ring shake.
Fir - fire scar, buttrot, crook ring shake.
Remarks: Part burned along northern and eastern edges. Could be reached by either coming north or south of Shuttleworth Creek. Similar in other respects to main type compartment 10E.

Other Areas

Lodgepole Pine 1895
Accessible, slopes easy to moderate. Elevations from 4500 to 5500 ft. Site good in general. Heavily stocked by lodgepole pine and scattered larch. Some small patches of lodgepole pine-spruce considered subtypes.

Lodgepole Pine-Spruce 1830 and Spruce Seed Trees
Accessible.

Site: In general good.
Density: 360 trees per acre: 72% lodgepole pine; 17% spruce; 8% balsam; 2% larch; 1% fir.
Remarks: A very high percentage of the lodgepole pine has been killed by fire and beetle. Whereas the spruce makes up a very small percentage of the larger trees, it comprises about 25% of the understory. The stand will have lumber values in spruce. Slopes easy to moderate, in general a good site.

Lodgepole Pine 1899
Accessible, site good, slopes easy to moderate. 2900 trees per acre, 79% lodgepole pine, 12% balsam, 9% spruce.

Lodgepole Pine 1999 and Scattered Spruce
Accessible, site good, slopes easy to moderate. 310 trees per acre, 82% lodgepole pine, 11% spruce, 6% balsam, 1% fir and larch.
Parts of area with alder underbrush. Upper edges part burned by 1925 fire.

Larch 1930 and Larch Seed Trees
Accessible, site good, slopes easy. 5700 trees per acre, 94% larch, 9% lodgepole pine, 7% fir. Numerous fire killed fir. Most of larch seed trees occur along creek.
Other areas of lodgepole pine of various ages (lodgepole pine 1926, 1895, 1867) ranging from 20 to 500 acre types. Similar to those already described.

Compartment 12

Main Area

Yellow Pine (Fir Cordwood) 5.2 M per acre
Accessible.

Site: Yellow pine medium; fir 60.
Volume: 89% yellow pine; 11% fir.
Diameters: Yellow pine maximum 40 inches, average 24 inches, Fir maximum 34 inches, average 20 inches. Some cordwood fir.
Defects: Yellow pine - limby, fire scar, buttrot, crook, some insect damage.
Fir - limby, fire scar, buttrot, witches broom, ring shake, insect damage.

2,910 acres
340 acres
380 acres
860 acres
170 acres and 30 acres
2,400 acres
Remarks: Slopes easy to moderate. In general site good. Patches of rock. Road costs moderate. Yellow pine good, fir fair quality. Patches of old and recent insect killed yellow pine and fir. Much of the yellow pine is overmature and should be logged as soon as possible. The beetle is in an endemic condition which could develop into an epidemic. Understory satisfactory, about 70% fir. This stand under management would give a considerable higher yield.

Fir-Spruce 2.0 M per acre, 50% Rock
Lies within main area confined to McLean Creek. Difficult logging.

Mature Areas

Yellow Pine 1.5 M per acre, Semi-Open Range
Similar to type yellow pine 1.1 M, semi-open range, 710 acres, compartment 11A.

Yellow Pine-Larch 4.7 M per acre
Accessible.
Site: Yellow pine medium; larch II; fir 80.
Volume: 4.7 M per acre, 55% yellow pine, 31% larch, 14% fir.
Diameters: Yellow pine maximum 20 inches, average 32 inches. Larch maximum 26 inches, average 18 inches. Fir maximum 26 inches, average 16 inches.
Defects: Yellow pine - buttrot, limby, insect damage. Larch - buttrot, limby, insect damage. Fir - buttrot, shake, limby, crook, insect damage.

Fir 0.8 M per acre, Part Burned
Accessible, site fir 80. Mature stand very badly damaged by fire, mostly cordwood and cull. Understory chiefly fir, with some lodgepole pine. Beetle attacking lodgepole pine and some fir. Patches of lodgepole pine windfall.

Fir 5.0 M per acre
Accessible.
Site: Fir 80; yellow pine medium; larch II.
Volume: 88% fir; 8% yellow pine; 4% larch.
Diameters: Fir maximum 32 inches, average 20 inches. Some fir cordwood.

Yellow pine maximum 28 inches, average 18 inches.
Defects: Fir - limby, buttrot, shake, insect damage. 
Yellow pine - limby, buttrot, insect damage. 
Larch - limby buttrot, insect damage. 
Remarks: Extends from 4,000 to 5,000 feet. Slopes moderate. 
Fire damage along upper edges. Insects are active. 
Ready for logging. Poor quality.

Fir Cordwood-Yellow Pine 2.6 M per acre, 40% Rock 2,060 acres

Accessible.
Site: Yellow pine medium; fir 70; larch III.
Volume: 63% yellow pine; 32% fir; 5% larch.
Diameters: Yellow pine maximum 32 inches, average 18 inches. 
Fir maximum 30 inches, average 18 inches. More than half is cordwood. 
Larch maximum 18 inches, average 14 inches.
Defects: Yellow pine - buttrot, limby, crook. 
Fir - buttrot, limby, extensive ring shake. 
Larch - buttrot, limby.
Remarks: Extends from 2,000 to 4,500 feet. Southwest exposure. 
Area very broken with rock. Slopes moderate to steep. 
Expensive road building. Timber occurs on productive 
flats and benches. Open stand of fair to poor quality.

Fir 3.1 M per acre 620 acres

Accessible.
Site: Fir 35; yellow pine 25.
Volume: 82% fir; yellow pine 18%.
Diameters: Fir maximum 34 inches, average 22 inches, considerable 
cordwood. 
Yellow pine maximum 40 inches, average 20 inches.
Defects: Fir - fire damage, buttrot, ringshake, insect damage. 
Yellow pine - fire and insect damage, buttrot. 
Remarks: Similar to type (Fir 5 M, 650 acres) above, only poorer 
in quality. Probably will never be touched.

Yellow Pine 0.8 M per acre, Semi-open Range, 40% Rock 180 acres
Similar to (Yellow pine 1.5 M, Semi-open Range, 230 acres) - 
only ground is rougher, stand lighter and not as accessible.

Other Areas

Yellow Pine Selectively Logged - Semi-Open Range 410 acres

Accessible.
Site: Poor, very little moisture.
Density: 116 per acre, 100% yellow pine.
Potential Use: Yellow pine box shook.

Yellow Pine Selectively Logged, Semi-Open Range 90 acres
Similar to type immediately above.

Lodgepole Pine-Spruce and Spruce Seed Trees 120 acres
See lodgepole pine-spruce 1830 and spruce seed tree type, compartment 11B.

Lodgepole Pine 1926 1,080 acres

Yellow Pine-Fir Selectively Logged 1933-38 350 acres
Accessible.
Site: Good.
Density: Yellow pine 490 trees per acre; fir 70 trees per acre, exclusive of zeros.
Potential Use: Yellow pine sawlogs and box shook.
Remarks: Very good yellow pine reproduction. Slopes easy to moderate. Yellow pine stumps per acre 7.2, average diameter 18 inches. Some of this logging is very old and material used for fences, etc. Very accessible.

Yellow Pine Selectively Logged 180 acres
Logged at various times by settlers, some sawtimber removed.
Good site for yellow pine. Very accessible.

Yellow Pine Selectively Logged 1936 60 acres
Similar to above.

Yellow Pine Selectively Logged - Semi-Open Range 150 acres
Open stand, short yellow pine, very accessible. Logged at various times.

Yellow Pine Logged 1923-34 160 acres
Reconnaissance. Sufficient seed trees to eventually seed in area. Very accessible, some rock, slopes easy.

Small areas of lodgepole pine 1926 scattered at high elevations, rocky site in general.

Small areas of lodgepole pine 1895 scattered throughout higher elevations. Part of stand remaining after 1925 fire. Have scattered a great deal of seed. Some spruce mixed. In general only fair sites.
Compartment 13A

Main Area

Yellow Pine-Fir Cordwood 1.2 M per acre 1260 acres
Accessible.
Site: Yellow pine medium; fir 60.
Volume: Practically 100% yellow pine.
Diameters: Yellow pine maximum 34 inches, average 20 inches.
          Fir maximum 16 inches, average 14 inches.
          Most large fir is cordwood.
Defects: Yellow pine - limby, fire damage, buttrot.
          Fir - shake, fire damage, buttrot.
Remarks: Trees occur on productive benches between rock and open range. Stand is open. Yellow pine limby and of poor quality. Site is too dry and exposed for fir, only cordwood values. Area broken by rock - difficult logging at higher elevations.

Mature Areas

Yellow Pine 1.5 M per acre, 20% Open Range and Rock 170 acres
Accessible.
Site: Yellow pine short; fir 60.
Volume: 100% yellow pine.
Diameters: Yellow pine maximum 26 inches, average 20 inches.
Defects: Yellow pine - limbyness and some toprot.
Remarks: Similar to above.

Yellow Pine 1.0 M per acre, Semi-Open Range 330 acres
Accessible.
Site: Yellow pine short; fir 60.
Volume: 100% yellow pine.
Diameters: Yellow pine maximum 26 inches, average 20 inches.
Defects: Yellow pine - limbyness, and some toprot.
Remarks: Timber open, short and of poor quality. Slopes easy to moderate. Not as much rock as above types.

Yellow Pine 1.3 M per acre, 50% Open Range and Rock 250 acres
Accessible.
Site: Yellow pine medium; fir 60.
Volume: 100% yellow pine.
Diameters: Yellow pine maximum 28 inches, average 18 inches.
Defects: Yellow pine - limbyness, crook and buttrot.
Remarks: Similar to main type. Some logging for farm purposes.

Yellow Pine 1.2 M per acre 230 acres
Accessible.
Site: Yellow pine short; fir 60.
Volumes: 100% yellow pine.
Diameters: Yellow pine maximum 30", average 20".
Defects: Yellow pine, limbiness and fire scars.
Remarks: Open stand of yellow pine similar to others in area; scattered logging along railroad.

Yellow pine - 3.5 M. per acre
Accessible 210 acres
Site: Yellow pine medium, Fir 60.
Volume: 94% yellow pine, 6% fir.
Diameters: Yellow pine maximum 40", average 22"
Fir " 18", " 14"
Defects: Yellow pine, limbiness and buttrot.
Fir, limbiness and crook.

Fir Cordwood (Yellow Pine) 0.5 M. per acre 460 acres
Similar to Fir cordwood (yellow pine) 0.5 M. 710 acres, Compart-ment 15A.

Other Areas

Yellow Pine (Fir Cordwood) selectively logged 1930-3,
40% Open Range and Rock 350 acres
Accessible
Site: Poor.
Density: Yellow pine 27 trees per acre, Fir 25 trees per acre.
Potential Use: Yellow pine sawlogs and box shuck.
Remarks: Similar site to main area. Part burn 1927. Numerous dead trees, fire and beetle damage. Small volumes of yellow pine removed throughout years 1930-9. 0.7 stumps per acre.

Yellow pine logged 1930-7 and burned 1931, 40% rock 560 acres
Accessible: main roads through area.
Site: Poor
Density: Yellow pine 54 trees per acre, Fir 9 trees per acre.
Potential Use: Yellow pine sawlogs and box shuck.
Remarks: Similar site as other yellow pine sites. Site damaged by fire. Willow covering some of area. Parts also cleared for range land. Very poor stocking.

Yellow pine selectively logged 1930-4 500 acres
Accessible
Site: Good
Density: Yellow pine 450 trees per acre.
Potential Use: Yellow pine sawlogs and box shuck.
Remarks: A good site, moderate slopes. This stand is young, about 50 years old, with a few scattered old trees, which should be removed to improve stand. Beetles attaching old trees.
Yellow Pine Selectively Logged 1937-38; 30% Open Range 150 acres
Accessible.
Site: Good.
Density: Yellow pine 33 trees per acre, with larger diameters well represented.
Potential Use: Yellow pine sawlogs and box shuck.
Remarks: Good quality and growth, but open stand. Stumps yellow pine 4 per acre. Very accessible.

Fir Cordwood-Yellow Pine, Partly Burned, Semi-Open Range 160 acres
Very accessible, poor, open site. Some rock.

Some other small types of yellow pine reproduction. Similar to other types described above.

Compartment 13B

Main Area

Fir-Fir Cordwood 1.5 M per acre 1990 acres
Accessible.
Site: Fir 70.
Volume: 100% fir, also large amount of fir cordwood.
Diameters: Fir maximum 30 inches, average 18 inches.
Most of large firs are cordwood.
Defects: Fir - bad fire scar, buttrot, limbiness and ring shake.
Remarks: Not a solid type, but scattered throughout compartment. Topography broken. Poor site and poor quality fir. Site in general too dry and timber very badly affected by shake. Light ground fires have passed through some areas, also beetle attacks throughout. Under present market conditions very little of this would be logged. Considerable rock throughout. Some spruce in creeks.

Mature Areas

Fir Cordwood (Yellow Pine) 0.5 M per acre 390 acres
Accessible.
Site: Fir 60; yellow pine short.
Volume: 73% yellow pine, 27% fir. Most of mature fir is cordwood.
Diameters: Yellow pine maximum 30 inches, average 20 inches.
Fir maximum 28 inches, average 14 inches.
Defects: Yellow pine limbiness, crook and buttrot.
Fir limbiness, crook and buttrot.
Fir - 7.5 M. per acre
Accessible
Site: Fir 80, spruce 80.
Volume: 91% fir, 9% spruce.
Diameters: Fir maximum 32", average 20".
Spruce " 20", " 16".
Defects: Fir, limbynness, crock, firescar.
Spruce, limbynness, some rot.
Remarks: Patch of good fir, spruce, in a sheltered creek valley.
Good quality and site in the bottom but runs into scruffy fir
on the sidehill. Patches of heavy windfall. Easily reached from
Twin Lake Road.

Fir Cordwood
Site poor. Topography broken. Large areas of rock and open
range. A stand of very poor quality fir - the trees fall into
site 80 but are so defective (ring shake, twist, etc.) that the
stand is considered as cordwood.

Fir - 0.9 M. per acre - Part Burned 1929
Accessible
Site: Fir 70, Yellow Pine short.
Volume: 91% fir, 9% yellow pine.
Diameters: Fir maximum 36", average 22".
Yellow pine maximum 36", average 26".
Defect: Fir, fire scar, limbynness.
Yellow pine, fire scar, insect damage.
Remarks: Fair timber in draw but poorer quality on sidehill.
Considerable rock and scrub. Easily reached from Twin Lakes
road.

Fir Cordwood (Yellow Pine) 0.4 M. per acre - 40% Rock
Poor quality fir with scattered yellow pine. Rocky, broken topo-
graphy. Could be reached from main highway through Merron valley.

Fir - 1.1 M. per acre - Part Burned 1929
Similar to type of same description 890 acres, Compartment 9.
Other Areas

Yellow Pine-Fir Cordwood Selectively Logged 1927-27, 50% Rock 290 acres

Accessible. Main road through area.
Density: Yellow pine 122 trees per acre, with larger diameters well represented.

Potential Use: Yellow pine sawlogs and box shook.
Remarks: Yellow pine occurs on productive benches and in pockets between rock knolls and outcrops. Open stand, broken ground. Readily accessible to White Lake road. Fair quality yellow pine. 2.2 yellow pine stumps per acre. Some patches of very good yellow pine reproduction.

Fir 1931 and Seed Trees 20% Rock 1,080 acres


Fir 1931 and Seed Trees 200 acres

Similar to above, less rock.

Fir 1900 and Seed Trees 180 acres


Compartment 14

Main Area

Yellow Pine-Fir 2.1 M per acre, 40% Rock 2,210 acres

Accessible.
Site: Yellow pine short; fir 60.
Volume: 80% yellow pine, 20% fir. Considerable fir with cordwood values only.

Diameters: Yellow pine maximum 30 inches, average 20 inches. Fir maximum 18 inches, average 14 inches.

Defects: Yellow pine short.
Fir shake, limby, crook, etc.
Remarks: Rocky exposed sidehill. Timber occurs on productive benches and flats. Stand open. Fir of very poor quality and yellow pine fair. Road building expensive and probably some of this area will be inaccessible. Typical of the yellow pine-fir type found growing on rocky sidehills. Slopes steep.

Mature Areas

Yellow Pine 4.4 M per acre 530 acres

Accessible.
Site: Yellow pine medium; fir short.
Volume: 91% yellow pine, 9% fir.
Diameters: Yellow pine maximum 28 inches, average 20 inches. Fir maximum 18 inches, average 14 inches.
Defects: Yellow pine - buttrot, and some limbyness. Fir - buttrot, shake and crook.
Remarks: Slopes moderate to steep. Considerable rock; normally stocked stand. Fir fair quality, yellow pine fair to good. A little better stand than the main type. Road building fairly expensive.

Yellow Pine-Fir 11 M per acre 340 acres
Accessible.
Site: Yellow pine tall; fir 100.
Volume: 80% yellow pine; 20% fir.
Diameters: Yellow pine maximum 44 inches, average 28 inches. Fir maximum 24 inches, average 18 inches.
Defects: Yellow pine - some crook, limbyness and buttrot. Fir - crook, limbyness, buttrot, and ring shake.
Remarks: Good quality, tall stand confined to creek draw. Slopes moderate to steep. Road costs moderate. Some deciduous growth along creek.

Larch 9.6 M per acre, Part-burned 1925 120 acres
See type of same name, compartment 17B.

Other Areas

Lodgepole Pine 1927, Scattered Seed Trees 1,180 acres
Other areas of lodgepole pine 1927 - similar to above.
A few small patches of lodgepole pine 1895, part burned.

Yellow Pine SelectivelyLogged 230 acres
Accessible, slopes moderate to steep. Some old logging by early settlers. Site good for yellow pine.

Compartment 15A

Main Area

Yellow Pine 5.2 M per acre 1,260 acres
Accessible.
Site: Yellow pine medium; fir 80.
Volume: 86% yellow pine; 14% fir.
Diameters: Yellow pine maximum 44 inches, average 25 inches. Fir maximum 26 inches, average 20 inches. Some fir cordwood.
Defects: Yellow pine - fire scar, limbyness, buttrot, crook. Fir - fire scar, limbyness, buttrot, crook and ring shake.
Remarks: Slopes easy to moderate. Soil conditions good. Good understory of yellow pine and fir. Good quality yellow pine, fir only fair. Some old fire damage. Road costs moderate.

Mature Areas

**Fir Cordwood (Yellow Pine) 0.5 M. per acre**

<table>
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<tbody>
<tr>
<td>Site: Yellow pine short, fir 60.</td>
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<tr>
<td>Volume: 100% yellow pine. Numerous fir trees but mostly cordwood.</td>
</tr>
<tr>
<td>Diameters: Yellow pine maximum 22&quot;, average 16&quot;.</td>
</tr>
<tr>
<td>Defects: Yellow pine, fire scar, buttrot, top-rot, limbiness. Fir, fire scar, buttrot, limbiness, and ring shake.</td>
</tr>
</tbody>
</table>

| Fir Cordwood (Yellow Pine) 0.5 M. per acre | 710 acres |

**Yellow Pine - Fir Cordwood - 1.7 M. per acre**

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<tbody>
<tr>
<td>Site: Yellow pine short, fir 60.</td>
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<tr>
<td>Volume: 88% yellow pine, 12% fir. Considerable fir cordwood.</td>
</tr>
<tr>
<td>Diameters: Yellow pine maximum 28&quot;, average 22&quot;.</td>
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<tr>
<td>Defects: Yellow pine, limbiness, and top-rot Fir, buttrot and ringshake.</td>
</tr>
</tbody>
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| Yellow Pine - Fir Cordwood - 1.7 M. per acre | 130 acres |

**Fir Cordwood (Yellow Pine) 0.5 M. per acre**

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<tbody>
<tr>
<td>Site: Yellow pine short, fir 60.</td>
</tr>
<tr>
<td>Volume: 80% yellow pine, 20% fir. Most mature fir is cordwood.</td>
</tr>
<tr>
<td>Diameters: Yellow pine maximum 24&quot;, average 16&quot;.</td>
</tr>
<tr>
<td>Defects: Yellow pine, limbiness and top-rot Fir, limbiness, ring shake, and buttrot.</td>
</tr>
<tr>
<td>Remarks: Poor site and very poor quality. Slopes moderate to steep. Road building expensive. Some rock and open range.</td>
</tr>
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</table>

| Fir Cordwood (Yellow Pine) 0.5 M. per acre | 450 acres |

**Yellow Pine - Fir - 0.7 M. per acre - 40% Rock**

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<tbody>
<tr>
<td>Site: Yellow pine short, fir 60.</td>
</tr>
<tr>
<td>Volume: Yellow pine 87%, fir 13%. Most mature fir only of cordwood value.</td>
</tr>
<tr>
<td>Diameters: Yellow pine maximum 26&quot;, average 20&quot;. Fir &quot; 22&quot;, &quot; 18&quot;.</td>
</tr>
<tr>
<td>Remarks: Poor site and poor quality timber. Trees occur on productive benches amongst rock outcrops. Road costs moderate. Lower parts readily accessible. Slopes easy to moderate.</td>
</tr>
</tbody>
</table>

| Yellow Pine - Fir - 0.7 M. per acre - 40% Rock | 440 acres |
Yellow Pine 1.9 M per acre, 30% Rock
Accessible.
Site: Yellow pine medium; fir 70.
Volume: 1.9 M per acre, 93% yellow pine, 7% fir.
Diameters: Yellow pine maximum 30 inches, average 20 inches.

Fir Cordwood (Fir) 0.8 M per acre
Poor quality timber near the top of the ridge. Open stand.
Expensive logging. Slopes easy.

Fir Cordwood (Fir) 0.7 M per acre
Similar to type above.

Fir 2.0 M per acre
Similar to Fir 2.0 M, Compartment 16A.
Some scattered small types of mixed yellow pine and fir. Open stands, poor sites and quality.

Other Areas

Yellow Pine Selectively Logged 1930-37
Accessible - main roads through area.
Site: Good for yellow pine, poor for fir.
Density: Yellow pine 635 trees per acre; fir 260 trees per acre, with higher diameter classes well represented.
Potential Use: Yellow pine sawlogs and box shook.
Remarks: Area is very accessible with main roads throughout. Scattered rock and scrub sites, but otherwise site is good for yellow pine. In general reproduction shows excellent growth and good stocking. Very old logging in some parts probably used by early settlers. Slopes easy to moderate. Cheap roads.

Yellow Pine Selectively Logged 1930-36; Semi-open Range
Accessible.
Site: Fair for yellow pine.
Density: 53 trees per acre.
Potential Use: Yellow pine sawlogs and box shook.

Yellow Pine Logged and Burned 1932; Semi-open Range
Similar to above only area is not restocking. Other small areas of yellow pine logged similar to above types.
Compartment 15B

Main Area

Fir - 1.8 M. per acre

Accessible
Site: Fir 70, Spruce 30.
Volume: 94% fir, 6% spruce. Considerable fir cordwood.
Diameters: Fir maximum 30", average 20".
    Spruce " 22", " 16".
Defects: Fir, limbyness, buttrot, and ringshake.
    Spruce, buttrot.
Remarks: Slopes moderate to steep. Fair quality. Numerous
    beetle-killed fir. Open stand in parts. Fairly heavy fir
    reproduction. Some trees cut for range fences. Topography
    and soil good for roadbuilding - a road already built up
    the ridge to the plateau.

Mature Areas

Fir Cordwood (Yellow Pine) 1.0 M. per acre

Accessible
Site: Fir 60, Yellow Pine short.
Volume: 61% fir, 39% yellow pine, most of fir is cordwood.
Diameters: Yellow Pine maximum 30", average 20".
    Fir " 20", " 16".
Defects: Yellow pine top-rot and buttrot
    Fir, limbyness, ring shake, and insect damage.
Remarks: Better site but otherwise similar to fir cordwood (yellow
    pine) 0.4 M 40% Rock, Compartment 13B.

Fir - Spruce - 7.3 M. per acre

Accessible
Site: fir 100, spruce 100.
Volume: 71% fir, 29% spruce.
Diameters: fir maximum 20", average 16".
    Spruce " 20", " 16".
Defects: Fir, ring shake and buttrot
    Spruce, buttrot.
Remarks: Slopes moderate, soil conditions good. Good quality,
    thrifty stand along creek bottom. Readily accessible to local
    road. Road costs moderate. Some lodgepole pine scattered
    throughout.

Yellow Pine - 0.5 M. per acre - Semi-Open Range

Poor quality fir.
Other Areas

Yellow Pine - Partly Burned - Semi-Open Range 140 acres
Open young stand of yellow pine with scattered young fir.
Slopes moderate. Readily accessible and will be used for
box shook.

Yellow Pine Selectively Logged 1936 160 acres
Accessible
Site: Good for yellow pine.
Density: Yellow pine 490 trees per acre, exclusive of zeros.
Potential Use: Yellow pine sawlogs and box shook.
Remarks: Very good yellow pine selection, readily accessible
to main Marron Valley highway. Slopes moderate and soil
depth. Growth rapid. Stumps: 3 yellow pine per acre.

Yellow Pine Selectively Logged - Semi-Open Range 460 acres
Readily accessible. Open short stand. Will produce yellow
pine box shook and lumber.
Other small scattered areas of yellow pine and fir and mixtures
similar to those types already described.

Compartment 16A

Main Area

Fir - 2.9 M. per acre 1990 acres
Accessible
Site: Fir 60.
Volume: 100% fir; also fir cordwood.
Diameters: Fir maximum 34", average 20".
Defects: Fir
Remarks: Covers top of ridge. Slopes moderate. Road costs
moderate. Fair quality. Some insect damage. Some spruce
in creeks.

Mature Areas

Yellow Pine - Fir - 1.0 M. per acre 1060 acres
Accessible
Site: Yellow pine short, Fir 60.
Volume: 77% yellow pine, 23% fir.
Diameters: Yellow pine maximum 28", average 18".
   Fir " 28", " 18".
Defects: Yellow pine, limbyness, crook and firescar
   Fir, buttrot and ringshake.
Remarks: Slopes moderate to steep. Considerable rock. Heavy
   fir reproduction. Yellow pine fair, fir poor quality. Exp-
   ensive road building.
Yellow Pine - Fir - 0.6 M. per acre - Part Burned 1926 730 acres

Accessible
Site: Yellow pine short, Fir 60.
Volume: 75% yellow pine, 25% fir, also fir cordwood.
Diameters: Yellow pine maximum 30", average 20".
            Fir        "          20",        "          16".
Defects: Yellow pine, limbiness, crock, and fire scar.
           Fir, buttrot, and ringshake.
Remarks: Slopes steep. Considerable rock. Fire damage from
1926 fire. Patches of fir- lodgepole pine 1928 throughout.
Some insect damage. Expensive logging.

Fir - Yellow Pine - 2.2 M. per acre 500 acres

Accessible
Site: Fir 80, Yellow Pine medium
Volume: 75% fir, 25% yellow pine. Also fir cordwood.
Diameters: Fir maximum 30", average 18".
           Yellow Pine maximum 28", average 26".
Defects: Fir, ring shake and buttrot.
Remarks: Slopes moderate to steep. Some rock. Scattered
yellow pine through area. Stand fairly open. Poor quality
fir. Moderate road costs.

Yellow pine - Fir - 1.9 M. per acre 410 acres

Accessible
Site: Yellow Pine medium, Fir 80.
Volume: Yellow pine 65%, fir 35%.
Diameters: Yellow pine maximum 32", average 18".
            Fir        "          30",        "          20".
Defects: Yellow pine, fire scar, limbiness
           Fir, fire scar, limbiness, crock, and ring shake.
Remarks: Slopes moderate to steep. Expensive road building.

Fir - 2.0 M. per acre 130 acres

Accessible
Site: Fir 80, Spruce 80.
Volume: 2.0 M. per acre, 82% fir, 18% spruce, also fir cordwood.
Diameters: Fir maximum 28", average 20".
            Spruce       "          22",       "          16".
Defects: Fir, fire scar, buttrot, and insect damage.
is suitable for road building but a long road for a small amount
of timber. Spruce in creek bottom. Some lodgepole pine
scattered throughout.

Yellow Pine - 0.8 M. per acre 210 acres

Other Areas

Fir - Yellow Pine Selectively Logged 590 acres
Accessible
Site: Good for yellow pine, poor for fir.
Density: Yellow pine 165 trees per acre; fir 170 trees per acre, exclusive of zeros.
Potential Use: Yellow pine sawlogs and box shook.
Remarks: Slopes easy to moderate. Readily accessible to Penticton. Stumps: 8 yellow pine per acre, 4.5 fir per acre.

Yellow Pine Selectively Logged - Semi-Open Range 560 acres
Accessible
Site: Fair for yellow pine; poor for fir.
Density: Yellow pine 50 trees per acre; fir 25 trees.
Potential Use: Yellow pine sawlogs and box shook.
Remarks: Slopes moderate. Good soil. Area is very accessible and grows short limby pine. This pine however is fast growing and will be suitable for box shook. Patches of open range. 0.6 yellow pine stumps per acre. Other small patches of yellow pine, selectively logged, and yellow pine, selectively logged, semi-open range, very similar to above.
A few scattered areas of 1900 reproduction mixed fir and lodgepole pine.

Compartment 16B

Main Area

Yellow Pine - 2.9 M. per acre 2640 acres
Accessible
Site: Yellow Pine medium, Fir 60.
Volume: 95% yellow pine, 5% fir. Most of fir of cordwood value only.
Diameters: Yellow pine maximum 38", average 22".
Fir sawlogs " 28", " 18".
Defects: Yellow pine, limby, fire scar, buttrot. Fir, short, bad ring shake, witches broom, etc.
Remarks: Slopes easy to moderate, good soil and little rock.
Open stand. Site good for yellow pine but very poor for fir. Site is too dry and fir is of poor form and full of shake. Road building should be easy and timber will be readily accessible to Penticton. A few scattered trees logged.

Mature Areas

Yellow Pine - 3.1 M. per acre 250 acres
Accessible
Site: Yellow pine medium.
Volume: 100% yellow pine.
Diameters: Yellow pine maximum 28", average 20".
Defects: Yellow pine, limbyness and some buttrot.
Remarks: Similar to main type, only on a south slope and stand almost pure yellow pine.

Yellow Pine - 0.7 M. per acre - 50% Open Range

Accessible
Site: Yellow Pine short
Volume: 100% yellow pine
Diameters: Yellow pine maximum 24", average 18".
Defects: Yellow Pine, limbyness, and crook.
Remarks: South and East slopes. Moderate to steep. Fir very poor quality, yellow pine short and limbly. Satisfactory yellow pine and fir reproduction. Majority of trees over 8" are young and vigorous, approximately 85 years old. Volume of stand is increasing. Open range occurs in patches.

Yellow Pine - Fir - 2.4 M. per acre

Accessible
Site: Yellow pine short, fir 60.
Volume: 63% yellow pine, 37% fir, also fir of cordwood value.
Diameters: Yellow pine maximum 36", average 20".
Fir 32", 20".
Defects: Yellow Pine, fire scar, limbyness, crook.
Fir, fire scar, limbyness, crook, ring shake.

Yellow Pine - 1.1 M. per acre - Semi-Open Range

Accessible
Site: Yellow Pine short
Volume: 100% yellow pine.
Diameters: Yellow pine maximum 24", average 18".
Defects: Yellow Pine, limbyness, and fire scar.

Fir - Yellow Pine - 1.4 M. per acre - 30% Rock

Accessible
Site: Fir 70, Yellow Pine short.
Volume: 59% fir, 41% yellow pine, also cordwood fir.
Diameters: Fir maximum 22", average 18".
Yellow Pine maximum 24", average 20".
Defects: Fir, limbyness, buttrot, ring shake, witches broom, and ring shake.
Yellow Pine, limbyness, and fire scar.
Remarks: Slopes moderate, near top of ridge. A great deal of rock and scrub. Fir of poor quality; 20% of trees (over 7") of cordwood value only. Yellow Pine fair quality, can be logged readily with rest of timber.

Fir - 2.6 M. per acre
Accessible
Site: Fir 70, yellow pine short.
Volume: 95% fir, 5% yellow pine.
Diameters: Fir maximum 24", average 16".
Defects: Fir, buttrot and ring shake.

Yellow Pine - Fir - 1.7 M. per acre - 20% Rock
Accessible
Site: Yellow pine short, fir 70.
Volume: 62% yellow pine, 38% fir.
Diameters: Yellow pine maximum 26", average 16".
Fir " 24", " 16".
Defects: Yellow pine, limbyness, buttrot.
Fir, fire scar, buttrot, limby, shake.

Yellow Pine - 1.6 M. per acre - Part Logged
Accessible
Site: Yellow Pine short.
Volume: 100% yellow pine.
Diameters: Yellow pine maximum 26", average 18".
Defects: Yellow pine, fire scar, limbyness, crook.

Other Areas

Yellow Pine Selectively Logged - 25% Open Range
Accessible
Site: Good for yellow pine, poor for fir.
Density: 110 trees per acre.
Potential Use: Yellow pine sawlogs and box shook, fir cordwood.
Remarks: Area is very accessible. Patches of open range. Stumps 7.5 yellow pine per acre. Patches of not satisfactorily re-stocked. Soil good. Area has satisfactory distribution of diameter classes.
Yellow Pine-Fir Logged; 25% Open Range
Accessible.

Site: Good for yellow pine; poor for fir.
Density: Yellow pine 47 trees per acre; fir 15 trees per acre.
Potential Use: Yellow pine sawlogs and box shook, fir cordwood.
Remarks: Yellow pine stumps 2.7 per acre, otherwise similar to
type immediately above, except for stocking.

Yellow Pine-Fir Selectively Logged
Accessible.

Site: Good for yellow pine, poor for fir.
Density: Yellow pine 1,250 trees per acre; fir 720 trees per acre,
mostly zeros.
Potential Use: Yellow pine sawlogs and box shook, fir cordwood.
Remarks: Yellow pine stumps 2.5 per acre. Slopes easy soil con-
ditions good. Will grow good quality yellow pine, but
poor fir. Heavy reproduction, mostly zeros. Easy logging.

Compartment 16C

Main Area

Yellow Pine-Fir 2.0 M per acre
Accessible.

Site: Yellow pine short; fir 60.
Volume: 52% yellow pine, 48% fir. Large number of mature fir,
only cordwood.
Diameters: Yellow pine maximum 32 inches, average 20 inches.
Fir maximum 32 inches, average 18 inches.
Defects: Yellow pine - limbyness, toprot and insect damage.
Fir - buttrot, limbyness and insect damage.
Remarks: Slopes moderate, soil in general good, some rock. Easy
road building and close to Penticton or Summerland. Fir
of poor quality, yellow pine grows quickly but only develops
into a short open stand. Reproduction is heavy but a large
percent of fir zeros. Some insect damage.

Mature Areas

Yellow Pine 2.9 M per acre
Accessible.

Site: Yellow pine short.
Volume: 2.9 M, 100% yellow pine.
Diameters: Yellow pine maximum 38 inches, average 24 inches.
Defects: Yellow pine - limbyness, crock and toprot.
Remarks: Slopes moderate, soil conditions good. Southerly exposure.
Yellow pine shows fast growth, but stand is open and short.
Fir very poor. Road building easy and timber readily access-
ible to Penticton or Summerland.
Fir - 1.1 M. per acre
Accessible
Site: Fir 60.
Volume: 1.1 M. 100% fir.
Diameters: Fir maximum 32", average 20".
Defects: Fir, more than 50% older trees are cordwood.
Remarks: A very poor site for fir. Trees are practically scrub.
Slopes moderate. Could be logged with neighboring areas. Heavy fir reproduction.
330 acres

Yellow Pine - 3.6 M. per acre
Accessible
Site: Yellow pine medium
Volume: 3.6 M. 100% yellow pine
Diameters: Yellow pine maximum 42", average 24".
Defects: Yellow pine, limbyness, top-rot and crook.
Remarks: Slopes easy to moderate; soil deep. Good site for yellow pine but poor for fir. Stand open. Very easy road building. Could be taken to either Penticton or Summerland.
840 acres

Fir - Yellow Pine - 2.5 M. per acre
Accessible
Site: Fir 60, Yellow Pine short.
Volume: 67% fir, 33% yellow pine.
Diameters: Fir maximum 28", average 18".
Yellow Pine maximum 24", average 20".
Defects: Fir, limbyness, buttrot, and ring shake.
Yellow Pine, limbyness, buttrot, and top-rot.
Remarks: Similar to fir 2.5 M. 140 acres, Compartment 16B.
110 acres

Yellow Pine - 0.6 M. per acre - Semi-Open Range
Slopes moderate; area very accessible, and road building easy.
430 acres

Other Types

Yellow Pine - Selectively Logged
Accessible
Site: Good for yellow pine.
Density: Thick yellow pine reproduction with some fairly open areas.
Potential Use: Yellow pine sawlogs and box shook.
Remarks: A very good site for yellow pine. Slopes moderate and soil deep. Road building easy. Accessible to Penticton or Summerland. Stocking satisfactory; almost 100% yellow pine. 3 yellow pine stumps per acre.
330 acres

Yellow Pine - Selectively Logged 1937
Accessible
Site: Very good for yellow pine.
550 acres
Density: 325 trees per acre, exclusive of zeros.
Potential Use: Yellow pine sawlogs and box shuck.
Remarks: An excellent growing site for yellow pine; slopes easy, soil deep, and road building very easy. Readily accessible to Penticton or Summerland. Some patches of open range. Stocking heavy especially yellow pine "zeros" and "two's". 15 yellow pine stumps per acre. One of the best sites for yellow pine on the West side.

Fir - Yellow Pine - Selectively Logged
Accessible
Site: Very good for yellow pine, poor for fir.
Density: Yellow pine 80 trees per acre; fir 150 trees per acre.
Potential Use: Yellow pine sawlogs and box shuck, fir cordwood.
Remarks: Stumps: yellow pine 3.1 per acre, average diameter 27"; fir 0.8 per acre, average diameter 22". Slopes easy. Soil deep. Scattered open range in some parts of type. Very accessible to both Penticton and Summerland. Quick growing site for yellow pine. Probable that lower part will be used for cultivation purposes.

Compartment 16D

Main Area

Lodgepole Pine 1661
Accessible
Remarks: Well stocked stand averaging 66% lodgepole pine. Parts of the type show small beetle infestation. Fair growing site.

Mature Areas

Yellow Pine - Fir Cordwood - 2.3 M. per acre
Accessible
Site: Yellow pine short; fir 60.
Volume: 81% yellow pine; 19% fir.
Diameters: Yellow pine maximum 34", average 18".
Fir. " 26", " 16".
Defects: Yellow pine, top-rot and fire scar.
Fir, buttrot, fire scar, limby, and ring shake.

Fir Cordwood
Accessible
Site: 60 and under.
Remarks: Large area between the open range and lodgepole pine at the higher elevations. Poor quality fir, suitable only for cordwood. Good grazing under cover. Area just above Brent Lake.
Fir Cordwood (Fir-Yellow Pine) 1.0 M per acre 300 acres
Same as above with scattered values of fir and yellow pine.

Fir 5.5 M per acre 1,250 acres
Accessible.
Site: Yellow pine short; fir 70; spruce 80.
Volume: 91% fir; 5% yellow pine; 4% spruce.
Diameters: Yellow pine maximum 22 inches, average 16 inches.
Fir maximum 40 inches, average 20 inches.
Spruce maximum 26 inches, average 16 inches.
Defects: Yellow pine buttrot, fire scar.
Fir limby, fire scar, insect damage.
Spruce buttrot, limby.
Remarks: Fair stand of fir with scattered yellow pine and some spruce in the draws. Fairly open type with some grazing under cover. Can be logged by extending roads to south of area.

Fir 3.3 M per acre 660 acres
Accessible.
Site: 80.
Volume: 100% fir.
Diameters: Fir maximum 26 inches, average 16 inches.
Defects: Poor quality - crook and ringshake.
Remarks: Roads to logged area below this type can be continued making this type easily accessible. The stand is of poor quality with some ties present. Market for this type of stand is very poor.

Fir 3.0 M per acre, part logged 440 acres
Accessible.
Site: 70.
Volume: 100% fir; scattered lodgepole pine.
Diameters: Fir maximum 28 inches, average 18 inches.
Defects: Some insect damage - bark beetles, ring shake, limby and buttrot.
Remarks: Area is in process of being logged, will probably be completely logged of sawlog timber.

Yellow Pine (Fir Cordwood) 2.4 M per acre 510 acres
Accessible.
Site: Yellow pine medium; fir 60; all cordwood.
Volume: Yellow pine 100%.
Diameters: Yellow pine maximum 28 inches, average 20 inches.
Defects: Yellow pine buttrot, toprot and fire scar.
Fir poor quality - cordwood only.
Remarks: Very accessible - adjacent to Shingle Creek road. Open stand with patches of open range. Several patches of yellow pine semi open range, 0.6 M. These areas are very accessible and carry some volume of poor quality yellow pine in scattered trees on the open range.
Other Areas

**Fir - Yellow Pine - Selectively Logged**

<table>
<thead>
<tr>
<th>Accessible</th>
<th>330 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site: Yellow Pine short; Fir poor.</td>
<td></td>
</tr>
<tr>
<td>Density: 295 trees per acre; 86% fir, 14% yellow pine.</td>
<td></td>
</tr>
<tr>
<td>Potential Use: Yellow Pine sawtimber, Fir sawtimber and cordwood.</td>
<td></td>
</tr>
<tr>
<td>Remarks: Average of 4.5 yellow pine stumps, 22 inches in diameter taken from area. No fir logged. This area is about 1 mile from the Shatford Creek road. Fairly open stand next to the open range.</td>
<td></td>
</tr>
</tbody>
</table>

**Yellow Pine - Selectively Logged - 25% Open Range**

<table>
<thead>
<tr>
<th>420 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>This area has scattered patches of open range throughout. Fair to poor site.</td>
</tr>
</tbody>
</table>

**Mixed Lodgepole Pine 1906, Willow, Aspen and Open Range**

<table>
<thead>
<tr>
<th>560 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>This area has been burned and not restocked sufficiently. There are patches of open range and willow and alder. Good grazing in this type.</td>
</tr>
</tbody>
</table>

**Burn 1933**

<table>
<thead>
<tr>
<th>860 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>This type has been heavily burned and has not restocked. There are patches of fir seed trees throughout. Poor site.</td>
</tr>
</tbody>
</table>

Compartment 16 E

**Main Area**

**Fir (Fir Cordwood) 2.5 M. per acre**

<table>
<thead>
<tr>
<th>3340 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessible</td>
</tr>
<tr>
<td>Site: Yellow pine, medium; fir, 70.</td>
</tr>
<tr>
<td>Volume: Yellow pine 2%, fir 98%.</td>
</tr>
<tr>
<td>Diameters: Yellow pine maximum 22&quot;, average 16&quot;. Fir 30&quot;, 16&quot;.</td>
</tr>
<tr>
<td>Defects: Yellow pine, fire scar and buttrot. Fir, crook, fire scar, ring shake, and limbs.</td>
</tr>
<tr>
<td>Remarks: Large type with scattered yellow pine at lower elevations. Considerable cull and cordwood fir. Some fair tie fir. Requires 1½ miles of road to edge of type and another 2½ miles of road to back of area from Shatford Creek road, hence 11 miles to Penticton. One part of type adjoins Shatford Creek road.</td>
</tr>
</tbody>
</table>

**Mature Areas**

**Yellow Pine - 2.8 M.**

<table>
<thead>
<tr>
<th>230 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessible</td>
</tr>
<tr>
<td>Site: Yellow pine, medium; fir, 80.</td>
</tr>
<tr>
<td>Volume: Yellow pine 88%, fir 12%.</td>
</tr>
</tbody>
</table>
Diameters: Yellow pine maximum 44 inches, average 22 inches.
Fir maximum 18 inches, average 14 inches.

Defects: Yellow pine - limbs, buttrot and crook.
Fir - limbs, buttrot, crook and ring shake.

Remarks: Two small patches close to Shatford Creek road. Easy logging chance.

Fir Cordwood (Fir-Spruce) 2.5 M

Accessible.
Site: Fir 120; spruce 80.
Volume: Fir 62%; spruce 37%; balsam 1%.
Diameters: Fir maximum 32 inches, average 16 inches.
Spruce maximum 28 inches, average 14 inches.
Defects: Fir - crock, shake, limbs and buttrot.
Spruce - rot.
Balsam - rot.
Remarks: Small area about 1 mile from Shatford Creek road. Fair road building. Fir type between road and this area. Will probably both be logged together.

Fir-Yellow Pine 4.1 M per acre

Accessible.
Site: Yellow pine medium; fir 100.
Volume: Yellow pine 33%; fir 67%.
Diameters: Yellow pine maximum 30 inches, average 20 inches.
Fir maximum 30 inches, average 20 inches.
Defects: Yellow pine - limbs, buttrot and crook.
Fir - shake, buttrot and crook.
Remarks: Type above area already logged. Quite steep sidehill but close to Shatford Creek road. Good logging chance.

Fir Cordwood (Yellow Pine-Fir) 1.0 M, Semi-open Range

Open grown areas, mainly fir cordwood with scattered fir and yellow pine sawlogs. Poor quality timber.

Fir 11 M per acre

Small patch of good fir with diameters up to 30 inches. About 1½ miles from Shatford Creek road through timber.

Fir-Yellow Pine 2.0 M per acre

Patch of timber between open range and scrub about one-half mile from Shatford Creek road - good logging chance. Open stand.

Other Areas

Fir-Yellow Pine Selectively Logged

Accessible.
Site: Yellow pine medium; fir 80.
Density: Yellow pine 160 trees per acre; fir 722 trees per acre. The diameter distribution is up to 22 inches with a good proportion of larger trees.
Potential Use: Sawtimber.

Remarks: Area is along Shatford Creek road. Good site and well stocked.

Also numerous areas of fir and lodgepole pine reproduction of various ages and two patches of semi-open range logged for yellow pine.

Compartment 16 F

Main Area

Lodgepole Pine 1931
Large area at the headwaters of Shatford Creek well stocked with 65% lodgepole pine. Type extended further south and east until burned in 1933.

Mature Areas

Yellow Pine - Semi-Open Range - 0.7 M. per acre
Type is broken by patches of open range. Scattered large trees - very short and poor quality. Accessible to Shatford Creek road.

Fir - 6.0 M. per acre
Accessible

Site: Fir, 90; spruce, 80.
Volume: Fir, 65%; spruce, 11%; balsam, 2%; lodgepole pine, 2%.
Diameters: Fir maximum 32", average 18".
Spruce " 18", " 14".
Defects: Fir, ring shake, buttrot, and crock.
Spruce, rot.
Remarks: Good logging chance along creek. Easy road building.

Fir - Yellow Pine - 2.8 M. per acre
Isolated patch of timber about 1½ miles from Shatford Creek road. Diameters up to 20 inches.

Yellow Pine - Fir - 2.1 M. per acre
Small patch of open timber next to open range with yellow pine up to 32 inches. Easily accessible.

Fir - 4.0 M. per acre
Accessible

Site: 70
Volume: 100% fir.
Diameters: maximum 36", average 18".
Defects: Crook, limbs, ring shake, and buttrot.
Remarks: Stand missed by fire in 1933. Easily accessible along Shatford Creek.
Fir 11 M per acre 40 acres
See compartment 16E.

Fir (Fir Cordwood) 2.5 M per acre 290 acres
See main area, compartment 16E.

Also several small types mostly poor quality fir scattered throughout the south eastern part of the compartment.

Other Areas

Lodgepole Pine 1933 2,020 acres
Large area of lodgepole pine 1881 burned in 1933 and restocking with lodgepole pine.

Also numerous small areas of immature scattered throughout the compartment.

Compartment 16G

Main Area

Fir 1.7 M per acre 3,680 acres
Accessible.
Site: Yellow pine short; fir 60.
Volume: Yellow pine 12%; fir 88%.
Diameters: Yellow pine maximum 28 inches, average 20 inches.
Fir maximum 30 inches, average 18 inches.
Defects: Yellow pine - fire scar and buttrot.
Fire - fire scar, buttrot, dead top, limbs and beetle damage.
Remarks: Open stand and very defective. Yellow pine in scattered patches. Good grazing on the area. Area is broken up by blocks of young lodgepole pine. Easy road building adjoining area to south and east has been logged to West Summerland, a ten-mile haul.

Mature Areas

Fir 7.7 M per acre 100 acres
Accessible.
Site: 70.
Volume: 100% fir.
Diameters: Maximum 32 inches, average 22 inches.
Defects: Beetle damage, buttrot, ring shake and fire scar.
Remarks: Small patch of good fir easily accessible to Shingle Creek road.
Fir Cordwood (Scattered Fir and Yellow Pine) 630 acres
This area has 0.8 M per acre of sawlog fir and yellow pine scattered throughout. 50% of area is scrub. The ground is rough and broken by rock outcrop.

Yellow Pine 2.2 M per acre 40 acres
See compartment 25A. There are also 240 acres of yellow pine, semi-open range, in three patches throughout the compartment.

Other Areas

Lodgepole Pine 1872 690 acres
Well stocked stand averaging 95% lodgepole pine. Fair growing site.

Lodgepole Pine 1924 460 acres
Area was formerly lodgepole pine 1872 and has restocked following fire in 1924.

Lodgepole Pine-Fir 1906 1,890 acres
An open stand averaging 60% lodgepole pine and 30% fir. Fair pine grass grazing under this type.

Yellow Pine-Fir Logged 1934-37 670 acres
Accessible.
Site: Yellow pine medium; fir 60.
Density: Yellow pine 54 trees per acre, scattered trees to 18 inches diameter; fir 14 trees per acre.
Potential Use: Sawlogs and fir cordwood.
Remarks: 13 stumps averaging 22 inches in diameter logged from area. Stand is fairly open and will probably seed in until it is fully restocked.

Fir (Yellow Pine) Logged 1937-38 1,480 acres
Accessible.
Site: Yellow pine medium; fir 60 and less.
Density: Yellow pine 15 trees per acre up to 16 inches.
Fir 145 trees per acre up to 18 inches, also considerable fir cordwood.
Potential Use: Sawlogs and fir cordwood.
Remarks: 4.5 trees average diameter 22 inches, have been logged from the area. Fir is well stocked in smaller diameters. Yellow pine will probably seed in and become a larger part of the stand. Large amount of scrub and cordwood fir on area.
Compartment 17A

Main Area

**Fir 4.7 M per acre, Part-burned 1925**

- **Accessible.**
- **Site:** Fir 70; yellow pine short; spruce 80.
- **Volume:** 95% fir; 5% yellow pine and spruce.
- **Diameters:** Fir maximum 34 inches, average 20 inches.
  Yellow pine maximum 24 inches, average 20 inches.
- **Defects:** Fir - buttrot, crook, limbiness, fire scar, ring shake.
  Yellow pine - buttrot, crook, limbiness.

Mature Area

**Yellow Pine-Fir 2.0 M per acre, Part-burned 1925**

- Volume estimated. Slopes very steeply into Ellis Creek canyon. Inaccessible because of steepness.

Other Areas

**Yellow Pine Selectively Logged 1920-37**

- **Accessible.**
- **Site:** Good site for yellow pine, poor for fir.
- **Density:** 200 trees per acre.
- **Potential Use:** Yellow pine sawlogs and box shook.
- **Remarks:** Slopes easy to steep. About 1/1 yellow pine stumps per acre. Some rock outcrop.

**Fir-Larch-Lodgepole Pine 1927 and Fir-Larch Seed Trees 370 acres**

- **Accessible.**
- **Site:** Good.
- **Density:** Fir 150 trees per acre; larch 130 trees per acre; lodgepole pine 140 trees per acre.
- **Potential Use:** Ties and sawlogs.
- **Remarks:** Scattered fir-larch seed trees mostly of cordwood value. Slopes moderate. Good soil conditions. Patches of not satisfactorily restocking.

**Fir-Larch Selectively Logged 1930-38**

- **Accessible.**
- **Site:** Good.
- **Density:** Fir 415 trees per acre; larch 440 trees per acre.
- **Potential Use:** Ties, sawlogs, cordwood.
- **Remarks:** Stand has been damaged by 1925 fire. Logged for sawlogs and fuel. 15 fir stumps per acre, average 22 inches diameter. Good site. Slopes easy to steep.
Lodgepole Pine 1927 and Seed Trees
670 acres
Accessible — good lodgepole pine site, densely stocked. The
previous stand was lodgepole pine about 100 years old. The
was fire-killed by 1925 fire and the standing dead trees are
being logged for fuel. Slopes easy to moderate. Some fir
and spruce found in patches.

Yellow Pine — Fir — Logged 1929-36 — Burned 1925
240 acres
Accessible — good yellow pine site, not satisfactorily restocked.
Nine yellow pine stumps and 9 fir stumps per acre. Logged for
sawlogs and cordwood after 1925 fire.

Yellow Pine — Fir — Selectively Logged 1932-3 — Burned 1925 390 acres
Accessible — good yellow pine site; fair fir. 3.5 yellow pine
stumps and 2.5 fir stumps per acre. Logged for sawlogs and
cordwood. Partly burned in 1925. Slopes moderate. The
Ellis Creek road passes through this type and all the area
is readily accessible. Although the stocking is a little be-
low normal, there are sufficient seed trees scattered through-
out to fill in the gaps.
Potential Use: for sawlogs and cordwood.

Lodgepole Pine 1927 — Scattered Seed Trees
950 acres
Accessible — site good to fair; densely stocked. Lodgepole pine
20,000 per acre. Extends from 4500 to 5400 feet. Slopes
mostly moderate and easy. Scattered lodgepole pine seed
trees, mostly lodgepole pine 1895, throughout; some fir, seed
trees, at lower elevations. Some spruce in wetter sites.
Other small areas of young reproduction similar to types
described.

Compartment 17 B

Main Area

Yellow Pine — 2.6 M. per acre — 40% Rock
870 acres
Accessible
Site: Yellow Pine medium, Fir 60.
Volume: 87% yellow pine, 13% fir. Considerable fir with cordwood
value only.
Diameters: Yellow pine maximum 30", average 20".
Fir        24", 18".
Defects: Yellow pine, limbyness, buttrot, and top-rot.
          Fir, limbyness, buttrot, and ring shake.
Remarks: See main type, Compartment 14.

Mature Areas

Larch — 9.6 M. per acre — Part Burn 1925
730 acres
Accessible
Site: Larch II, Fir 80.
Volume: 83% larch, 17% fir. Some big trees of both species with
only cordwood value.
Diameters: Larch maximum 34", average 24".
Fir  " 30", " 22".
Defects: Larch, fire damage and buttrot.
Fir, fire damage, buttrot, limbyness, ring shake.
Remarks: Slopes steep. Fair quality larch and fir, damaged by
1935 fire. Some beetles. Understory of larch and lodgepole
pine. Expensive lognning. This will probably be reached by
crossing Ellis creek above the canyon and joining up with
present Ellis Creek road on the north side. Scattered rock.

Other Areas

Yellow Pine - Fir - Logged 1921-38  390 acres
Accessible
Site: Fair for yellow pine, poor for fir.
Density: Yellow pine 70 trees per acre; fir 7 trees
Potential Use: Yellow pine sawlogs, box shook.
Remarks: Less rocky than main type, but otherwise similar.
Three yellow pine stumps per acre, 0.5 fir per acre.

Lodgepole Pine 1927 - Scattered Seed Trees  1340 acres
Accessible
Site: Poor to good.
Density: 5600 per acre, 85% lodgepole pine, 14% larch, 3% fir.
Remarks: Slopes moderate to steep. Considerable rock and rocky
sites. Scattered lodgepole pine seed trees, mostly lodgepole
pine 1895. Scattered larch seed trees. Scattered larch and
fir throughout stand.
Some other scattered lodgepole pine 1927 areas similar to ones
described.
Some scattered patches of yellow pine, selectively logged,
throughout valley bottom. Good site for yellow pine. Old
logging by early settlers.
180 acres of yellow pine logged and burned. Definitely not
satisfactorily restocked. Easy slopes. Some of area will
probably be cultivated.

Compartment 17C

Main Area

Lodgepole Pine 1927 - Scattered Seed Trees  3850 acres
Accessible, extends over a large area and site ranges from poor
at higher elevations to good in the lower parts. Slopes moder-
ate. Scattered patches of lodgepole pine seed trees, mostly
lodgepole pine 1895, throughout the whole area, and isolated
fir - larch seed trees at lower elevations. Scattering of
larch reproduction in the vicinity of larch seed trees.

**Mature Areas**

Larch - 3.1 M. per acre - Part Burned 1925  
See type of same name, 130 acres, Compartment 17D.

**Other Areas**

Lodgepole Pine 1895 - Scattered Spruce  

Lodgepole Pine 1950 - Fire & Insect-Killed Lodgepole Pine  
1881  

Lodgepole Pine 1815 - Patches Burned 1925  
Accessible - road through type; slopes easy. Considerable fire and beetle damage, especially at edges of type. Small portion at North has had standing dead trees logged for cordwood.

Lodgepole Pine Spruce 1850  
Accessible - slopes easy. Fair site.

Lodgepole Pine 1850 - Scattered Spruce  
Accessible - slopes moderate, fair site.

**Compartment 17D**

**Main Area**

Lodgepole Pine 1927 - Scattered Seed Trees  
About 15% of area not satisfactorily restocked (estimated). 580 acres of subtype lodgepole pine 1895; otherwise similar to main type 17C.

**Mature Areas**

Larch - 3.1 M. per acre - Part Burned 1925  
Accessible

Site: Larch II, Spruce 80, Fir 60.
Volume: 75% larch, 15% spruce, 12% fir.
Diameters: Larch maximum 36", average 22".
Spruce " 28", " 16".
Defects: Larch, fire damage, buttrot.
Spruce, buttrot.
Remarks: Slopes moderate; ground fire throughout; lodgepole pine - larch reproduction; spruce in creek bottom; fairly expensive logging.

Spruce - Balsam - 5.3 M. per acre 920 acres and 150 acres
Accessible
Site: Spruce 80, lodgepole pine 70.
Volume: Spruce 57%, Balsam 22%, Lodgepole Pine 11%.
Diameters: Spruce maximum 26", average 18".
   Balsam " 26", " 18".
   Lodgepole Pine " 16", " 12".
Defects: Spruce, limbyness, some buttrot.
   Balsam, limbyness, heavy insect damage.
   Lodgepole Pine,
   Heavy insect damage to lodgepole pine and balsam. Area is somewhat isolated, and at least 4 miles of road will have to be built connecting to Ellis Creek road; however, ground is easy for road building. Long truck haul.

Spruce - 8.2 M. per acre 110 acres, 10 acres & 50 acres
Similar to main type, Compartment 18B (Estimated).

Spruce - Lodgepole Pine - Balsam 1833 870 acres
Accessible
Site: Fair to poor.
Remarks: Lodgepole pine and balsam are dying from beetles, the spruce being unaffected. Hence a natural process is taking place that tends to increase the percentage of spruce in the dominant stand. Slopes easy. Timber short. Will have spruce timber values.

Lodgepole Pine 1927 - Logged for Cordwood 1936-8 90 acres
This area has dense standing dead lodgepole pine, which has been fire and beetle killed. This dead lodgepole pine is being logged for cordwood. A dense understory of lodgepole pine 1927 is growing up. Other small logged areas similar to this.

Lodgepole Pine 1881 & Spruce - Balsam Seed Trees
Part Burn 1925 3920 acres
Slopes easy to moderate. Site fair to poor. Areas part burned are stocking with lodgepole pine 1927. Scattered spruce - balsam seed trees along creeks.
Few small areas of mixed lodgepole pine, larch, fir 1927, with larch - fir seed trees. Also other areas of lodgepole pine, various ages, represented 1927, 1895. Some mixed and others even-aged types.
Compartment 18A

Main Area

**Yellow Pine-Fir 1.5 M per acre**

- Accessible.
- **Site:** Yellow pine medium; fir 70.
- **Volume:** 71% yellow pine; 29% fir.
- **Diameters:** Yellow pine maximum 34 inches, average 18 inches.
  - Fir maximum 28 inches, average 18 inches.
- **Defects:** Yellow pine - limbyname, buttrot and toprot.
  - Fir - limbyname, buttrot and ring shake.
- **Remarks:** Slopes moderate to steep. Especially steep into Penticton Creek. Large percentage of rock. Yellow pine of fair quality, some fire killed. Most of area could be reached by building road from Ellis Creek side. Yellow pine occurs on productive flats and benches.

Mature Areas

**Fir 2.8 M per acre**

- Accessible.
- **Site:** Fir 70; yellow pine short.
- **Volume:** 94% fir; 6% yellow pine.
- **Diameters:** Fir maximum 36 inches, average 20 inches.
  - Yellow pine maximum 30 inches, average 20 inches.
- **Defects:** Fir - buttrot, crock and limbyname.
  - Yellow pine - buttrot, crock, limbyname and ring shake.
- **Remarks:** Some larch and lodgepole pine scattered throughout. Yellow pine confined to lower slopes. Some spruce zeros at higher elevations. Slopes moderate to steep. Some rock and scrub. Otherwise similar to main type 17A.

**Yellow Pine 5.5 M per acre**

- Accessible.
- **Site:** Yellow pine medium; fir 80.
- **Volume:** 91% yellow pine; 9% fir; also some fir cordwood.
- **Diameters:** Yellow pine maximum average
  - Fir maximum average
- **Defects:** Yellow pine - buttrot, toprot and limbyname and fire scar.
  - Fir - buttrot, toprot, limby and ring shake.
- **Remarks:** Good quality yellow pine, fair fir. Slopes moderate to steep. Steep into Penticton Creek. Some rock and scrub. Some beetle killed. Readily accessible to Penticton Creek Road. In general a vigorous yellow pine stand.

**Yellow Pine 2.2 M per acre**

- Accessible.
- **Site:** Yellow pine medium.
- **Volume:** Yellow pine 100%, some cordwood fir.
- **Diameters:** Yellow pine maximum 26 inches, average 18 inches.
Defects: Yellow pine, limbyness, buttrot, top-rot and crook.
Remarks: Slopes moderate to steep; steep into Penticton Creek.
Fair to poor quality yellow pine. Fir of no sawlog value, but could be used for cordwood - very close to Penticton. Some rock and scrub sites.

Fir - 4.5 M. per acre 380 acres
Accessible
Site: Fir 70.
Volume: 100% fir; also some cordwood.
Diameters: Fir maximum 32", average 20".
Defects: Fir, fire scar, buttrot, ring shake, crook.
Remarks: Slopes moderate. Fair quality fir. Some rock and scrub sites. Scattered lodgepole pine and some larch throughout. Cost of road building moderate; Penticton Creek road passes through type.

Larch - Fir - 5.5 M. per acre 230 acres
See main type, Compartment 19.

Fir - Spruce - 2.0 M. per acre - 50% Lodgepole Pine 1910 330 acres
Scattered fir and patches of fir - spruce mixed with lodgepole pine 1910. Slopes steep into Penticton Creek. Most of the area could be reached by a tributary road from Penticton Creek road.

Spruce - Lodgepole Pine - 4.8 M. per acre 70 acres & 60 acres
See main type, Compartment 18C.

Other Areas

Yellow Pine - Fir - Logged and Burned 1925 690 acres
Accessible
Site: Good for yellow pine; fair for fir.
Potential Use: Yellow pine sawlogs.
Density: Yellow pine 40 trees per acre; fir 20 trees.
3.9 yellow pine stumps per acre, average 17". Some rock and scrub.

Yellow Pine - Fir - Logged 680 acres
Accessible
Site: Good for yellow pine, poor for fir.
Density: Yellow pine 80 trees per acre; fir 100 trees per acre.
Potential Use: Yellow pine sawlogs; fir cordwood.
Remarks: Slopes moderate. Area has sufficient larger yellow pine to fill in gaps. Very accessible to Penticton.

Yellow Pine - Selectively Logged 1935-6 230 acres
Accessible
Site: Good for yellow pine; poor for fir.
Density: Yellow pine 195 trees per acre; fir 20 trees.
Potential Use: Yellow pine sawlogs and box shook; fir cordwood.

**Lodgepole Pine 1927**
- Accessible.
- Site: In general good, but poorer sites towards top of ridge.
- 4,970 acres

**Lodgepole Pine 1895**
- Several small patches of lodgepole pine 1895 totaling 560 acres.
- Scattered along top of ridge south of Penticton Creek. Site poor to fair. Slopes moderate.

**Lodgepole Pine 1901**
- Accessible.
- Site: Good. Slopes easy to moderate. Very densely stocked.
- 1,760 acres

**Lodgepole Pine 1855**
- Situated on the top of the ridge north of Penticton Creek. Poor site. Densely stocked. Slopes easy to moderate.
- 250 acres

**Lodgepole Pine 1910 & Lodgepole Pine Seed Trees**
- Accessible; In general site is good. Slopes easy to moderate. Very densely stocked. Scattered lodgepole pine seed trees.
- 520 and 600 acres

**Lodgepole Pine 1855**
- Situated on Penticton Creek road. Site good. Slopes moderate. Densely stocked.
- 110 acres

**Compartment 183**

**Main Area**

**Spruce 8.2 M per acre**
- Accessible.
- Site: Spruce 80; lodgepole pine 80.
- Volume: 74% spruce; 14% lodgepole pine; 12% balsam.
- Diameters: Spruce maximum 30 inches, average 16 inches.
- Lodgepole pine maximum 20 inches, average 16 inches.
- Balsam maximum 18 inches, average 14 inches.
- Defects: Spruce - limbiness and some rot.
- Lodgepole pine - cull, catface, and limby.
- Balsam - limbiness and heart rot.
- Remarks: Extends from about 5,400 to 6,000 feet elevation. Slopes easy. Soil sufficiently deep but climatic conditions severe. Stand decadent. Tremendous quantity of dead trees, 69 per acre. 61% lodgepole pine and balsam; also large number of culls.
- 1,360 acres
Balsam short and rotten. Heavy reproduction, mostly balsam zeros. Stand should be logged as soon as possible. Could be removed via Penticton Creek, in conjunction with poorer quality timber situated a couple of miles to the North, or it might be logged independently and taken out via Ellis Creek. Topography and soil conditions suitable for cheap road building by either route. Scattered swamps throughout type.

Other Areas

Balsam - Lodgepole Pine 1890
Slopes easy, soil good, severe climatic conditions. 10% of stand is spruce; this will increase as lodgepole pine and balsam die off and stand will eventually have spruce sawlog values.

Lodgepole Pine 1879
Slopes easy to moderate. Extends to 6000 ft. elevation. In general, site is good. Patches of spruce - balsam scattered throughout.

Lodgepole Pine 1927
Slopes easy to moderate. Scattered lodgepole pine seed trees.
Site good.

Compartment 18C

Main Area

Spruce - Lodgepole Pine - 4.8 M. per acre

Accessible
Site: Spruce 60, lodgepole pine 60.
Volume: 56% spruce, 32% lodgepole pine, 10% balsam.
Diameters: Spruce maximum 26", average 16''.
          Lodgepole Pine " 18",  " 12".
          Balsam " 18",  " 12".
Defects: Spruce, buttrot, and limbyness.
        Lodgepole pine, frost cracks.
        Balsam, heart-rot and frost cracks.
Remarks: 90% of area lies on east slope of Penticton Creek watershed. In general, slopes easy to moderate but steeper in northern part above the reservoir and along main creek. Area extends from 5000 to 6000 feet elevation. Soil of good depth throughout with very little rock. There is a considerable variation in the condition of the stand, but in general at the higher elevations, it is decadent for all species and of poor quality, with a large amount of standing dead material. In the lower parts which make up a third to one-half of the area, the dominant lodgepole pine and balsam are decadent and dying out, while the spruce is continuing to grow. It is doubtful if the spruce at higher elevations would yield sufficient sawlog values worth logging. However,
the third or half mentioned above is very accessible to the Penticton Creek road and will provide sawtimber values, also its spruce volume is increasing. This will probably be logged with spruce-lodgepole pine 16 M type adjoining. Topography and soil conditions lend themselves to cheap road building.

Mature Areas

<table>
<thead>
<tr>
<th>Lodgepole Pine-Spruce 3.2 M per acre</th>
<th>710 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessible.</td>
<td></td>
</tr>
<tr>
<td>Site: Lodgepole pine 70; spruce 60.</td>
<td></td>
</tr>
<tr>
<td>Volume: 62% lodgepole pine; 30% spruce; 8% balsam.</td>
<td></td>
</tr>
<tr>
<td>Diameters: Lodgepole pine maximum 16 inches, average 12 inches.</td>
<td></td>
</tr>
<tr>
<td>Spruce maximum 24 inches, average 14 inches.</td>
<td></td>
</tr>
<tr>
<td>Balsam maximum 14 inches, average 12 inches.</td>
<td></td>
</tr>
<tr>
<td>Defects: Lodgepole pine - scar.</td>
<td></td>
</tr>
<tr>
<td>Spruce - limbyness, and some rot.</td>
<td></td>
</tr>
<tr>
<td>Balsam - heart rot.</td>
<td></td>
</tr>
<tr>
<td>Remarks: Extends from 5,000 to 6,000 feet and stand at higher elevations is practically scrub. Similar to main type only poorer quality timber.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Spruce-Lodgepole Pine 16 M per acre</th>
<th>1,260 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessible: Penticton Creek road passes through this type.</td>
<td></td>
</tr>
<tr>
<td>Site: Spruce 60; lodgepole pine 90.</td>
<td></td>
</tr>
<tr>
<td>Volume: 55% spruce; 36% lodgepole pine; 9% balsam.</td>
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</tr>
<tr>
<td>Diameters: Spruce maximum 20 inches, average 14 inches.</td>
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</tr>
<tr>
<td>Lodgepole pine maximum 18 inches, average 14 inches.</td>
<td></td>
</tr>
<tr>
<td>Balsam maximum 18 inches, average 12 inches.</td>
<td></td>
</tr>
<tr>
<td>Defects: Spruce - twist and limbyness.</td>
<td></td>
</tr>
<tr>
<td>Lodgepole pine - decadence.</td>
<td></td>
</tr>
<tr>
<td>Balsam - decadence and heartrot.</td>
<td></td>
</tr>
<tr>
<td>Remarks: Stand lies on west side of Penticton Creek; slopes easy to moderate. Soil deep and site good. Approximately 14 miles from Penticton, 8 or 9 miles of poor road which would have to be straightened, surfaced and relocated in parts. However, topography and soil for the most part lend themselves to cheap road building. Lodgepole pine and balsam overmature and dying throughout. Spruce for the most part is thirfy, but there are also scattered large old defective spruce, remnants of a former stand.</td>
<td></td>
</tr>
</tbody>
</table>

Other Areas

<table>
<thead>
<tr>
<th>Lodgepole Pine 1919</th>
<th>760 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Densely stocked, some spruce and balsam scattered throughout.</td>
<td></td>
</tr>
<tr>
<td>Slopes easy to moderate. In general site is good. Spruce-balsam forms a considerable percentage of the stand along margin adjacent to spruce-lodgepole pine timber.</td>
<td></td>
</tr>
</tbody>
</table>
Lodgepole Pine 1901
Similar to same type, Compartment 18A.

Lodgepole Pine 1861 - Patches of Swamp
1,330 acres
Slopes easy to moderate. Area east of reservoir flat and swampy with scattered lodgepole pine, spruce and balsam. Also patches of balsam and scattered spruce found throughout whole type. Site fair.

Other lodgepole pine types densely stocked, site fair.

Compartment 19

Main Area

Larch-Fir 5.5 M per acre
1,680 acres
Accessible.
Site: Larch II; fir 70; spruce 60.
Volume: 68% larch; 28% fir; 4% spruce; also some fir cordwood.
Diameters: Larch maximum 40 inches, average 24 inches.
          Fir maximum 32 inches, average 20 inches.
          Spruce maximum 20 inches, average 14 inches.
Defects: Larch - fire scar, buttrot and limbness.
         Fir - fire scar, buttrot, and limbness.
         Spruce - limbness, and some rot.
Remarks: Slopes moderate to steep. In general, soil conditions good, some patches of rock and scrub. Lodgepole pine scattered throughout, mostly 1890. Some parts have been damaged by old fire, also some insect damage. Insects still active in patches. Road costs moderate, easily accessible to Fenticton.

Mature Areas

Yellow Pine-Fir 3.0 M per acre
420 acres
Accessible.
Site: Yellow pine medium; fir 70.
Volume: 51% yellow pine; 49% fir; also some fir cordwood.
Diameters: Yellow pine maximum 36 inches, average 26 inches.
         Fir maximum 26 inches, average 18 inches.
Defects: Yellow pine - limbness, crook, fire scar, butt and toprot.
         Fir - limbness, crook, fire scar, buttrot and ring shake.
Remarks: Similar to yellow pine 5.5 M, 900 acres, Compartment 18A.
         More fir and site not quite as good.

Fir 4.5 M per acre
60 acres
See type of same title, 380 acres, Compartment 18A.

Yellow Pine-Fir 2.5 M per acre - Part Logged
170 acres
Accessible.
Site: Yellow pine medium; fir 70.
Volume: 71% yellow pine; 29% fir.
Diameters: Yellow pine maximum 30 inches, average 22 inches.  
Fir maximum 28 inches, average 18 inches.

Defects: Yellow pine - fire scar.  
Fir - limbyness, ring shake, and witches broom.

Remarks: Rocky site, patches of rock and scrub with productive 
bences and flats. Open stand. Slopes moderate. Stumps  
3.6 fir per acre, 0.4 yellow pine per acre. Very access-
ible to Penticton.

Yellow Pine 3.9 M per acre - 25% Rock 

Accessible. 

Site: Yellow pine medium; fir 70.

Volume: 88% yellow pine; 12% fir; also fir cordwood.

Diameters: Yellow pine maximum 34 inches, average 24 inches.  
Fir maximum 22 inches, average 16 inches.

Defects: Yellow pine - limbyness, toprot and buttrot.  
Fir - limbyness, crook and ring shake.

Remarks: Slopes moderate to steep. Area broken by rock and scrub 
sites, timber occurs on productive benches. Fair quality 
yellow pine, but poor fir. Road building fairly diffi-
cult. Stand open. Some lodgepole pine scattered through-
out higher elevations.

Fir-Yellow Pine 4.0 M per acre - 50% Rock

See fir-yellow pine 4.0 M, 20% Rock, 250 acres, Compartment 20A.

Other Areas

Fir-Yellow Pine-Logged - 40% Rock

Accessible. 

Site: Fair for yellow pine, poor for fir.

Density: Yellow pine 30 trees per acre; fir 55 trees per acre.

Potential Use: Yellow pine sawlogs and box shock; fir cordwood

Remarks: Area is very broken by rock and scrub sites. Timber 
occurs on small benches and in pockets. Fir stumps 
3.6 per acre; yellow pine 0.4 per acre. Stand very 
open and reproduction in patches.

Yellow Pine - Semi-Open Range - Selectively Logged 

Typical short semi-open range stand of yellow pine, part logged. 
Rock and open range throughout.

Fir-Yellow Pine Selectively Logged 1929-36, 20% Rock

Very accessible, slopes moderate. Good site for yellow pine 
with some open range and outcrops of rock. Yellow pine occurs 
on productive benches and flats.

Yellow Pine Semi-Open Range - Selectively Logged 1930-37

Typical semi-open range type with scattered logging. Yellow pine 
short. Shallow soil and dry.
Yellow Pine – Fir – Logged 1930

Productive area broken by rock. Fair for yellow pine. Other areas of logging similar to above.

Compartment 20 A

Main Area

Fir – Larch – 6.7 M. per acre

Accessible
Site: Yellow pine medium; fir 80; larch III
Volume: Yellow pine 9%; fir 47%; larch 44%
Diameters: Yellow pine maximum 40", average 24"
Fir " 32", " 14"
Larch " 30", " 16"
Defects: Ring shake, buttrot.
Remarks: In general, good soil conditions, some rock; fair quality timber; slopes moderate to steep. Included in this type is 500 acres of lodgepole pine 1881, fairly well stocked. Logging conditions good.

Mature Areas

Yellow Pine – 5.8 M. per acre

Accessible
Site: Yellow pine medium, fir 60.
Volume: Yellow pine 91%, fir 9%
Remarks: Yellow pine is of fair quality and grows on the productive benches and flats amongst the rock. There are some 50 acres of rock scattered throughout. Logging conditions are good.

Yellow Pine – 6.1 M. per acre

Accessible
Site: Yellow pine, tall.
Volume: Yellow pine, 93%
Diameters: Yellow pine maximum 36", average 18"
Defects: very light.
Remarks: Good logging conditions. In general, the area is broken and rocky below the railroad, better above it. Slopes moderate.

Fir – Yellow Pine – 4.0 M. per acre – 20% Rock

Accessible
Site: Yellow pine medium, fir 80.
Volume: Yellow Pine 48%, fir 52%
Diameters: Yellow pine maximum 32", average 20"
Fir " 26", " 16"
Defects: fire scar, buttrot, ring shake.
Remarks: Fair logging chance. The area is badly broken up, rocky and quite steep. Slopes are general. There is a tendency towards bench formation.
Yellow Pine - 5.1 M. per acre - Part Logged

Accessible
Site: Yellow Pine, medium.
Volume: Yellow Pine, 95%.
Diameters: Yellow Pine maximum 36", average 20".
Defects: Fire scars, butrot, limbiness.
Remarks: Very good logging conditions - close to main road (9 1/4 mile)
Gentle slopes, little rock, little undergrowth.

Fir - 7.9 M. per acre

Accessible
Site: Fir 80.
Volume: Fir 96%.
Diameters: Fir maximum 48", average 16".
Defects: Butrot, heart rot, limbiness.
Remarks: Fair logging chance about 1 mile from existing logging
roads, a dense stand in broken country, steep slopes.

Fir - Spruce - Balsam - 5.0 M. per acre

Accessible
Site: Good.
Volume: Fir 60%, Spruce 20%; Balsam 20%.
Remarks: Mature timber left by fire in 1861 - fair condition only.

Other Areas

Yellow Pine - Fir - Logged 1917-37 - Burned 1919

Accessible
Site: Very good.
Density: Yellow Pine 90 zeros, 5 other trees per acre.
Fir 70 zeros, 20 other trees per acre.
Remarks: This area supported heavy stands of high grade yellow
pine at one time and as years went by was slowly clear cut.
Brush is thick in some spots, slopes moderate, and the soil
deep. A fair number of seed trees are standing so that re-
production possibilities are fair.

Larch - Fir - Selectively Logged - 1932-8

Accessible
Site: Good.
Density: Fir 200 trees per acre (largely zeros)
Larch 180 trees per acre (largely zeros).
Remarks: Area originally supported fine larch and fir. Soil
good, slopes moderate.
Other areas include some 780 acres of logged and logged and burned
areas, both in semi-open range and in forested areas, all of which
contain less than 100 small seedlings per acre. At the back of the
compartment near the height of land are approximately 980 acres
of well-stocked lodgepole pine, immature stands. On the lake shore
are some 840 acres of cultivation and 80 acres of open range.
Compartment 20B

Main Area

Spruce - Lodgepole Pine - 10 M. per acre 2210 acres

Accessible

Site: Spruce 100, Lodgepole Pine 70.
Volume: Spruce 51%, Balsam 17%, Lodgepole Pine 32%.
Diameters: Spruce maximum 20", average 14".
   Balsam " 18", " 14".
   Lodgepole Pine " 16", " 12".
Defects: Spruce, buttrot and limbs.
   Balsam, buttrot and top-rot.
   Lodgepole Pine, buttrot and top-rot.
Remarks: Spruce is about 140 years old and in time will develop into a good sawlog stand. The lodgepole pine and balsam are becoming decadent and will gradually die out, releasing the spruce. This stand is not ready for logging. Existing logging roads come with three quarters of a mile of the type.

Other Areas

The rest of the productive area is taken up with lodgepole pine of various ages. There have been numerous burns in the area in the last sixty years.

Compartment 21

Main Area

Yellow Pine - 4.0 M. per acre 1330 acres

Accessible

Site: Yellow Pine - medium; fir - 60.
Volume: Yellow Pine - 65%; fir - 35%.
Diameters: Yellow Pine maximum 34", average 18".
   Fir " 26", " 14".
Defects: Light, largely scars, buttrot, and limbyness.
Remarks: The yellow pine is of fair quality; the fir poor.
Slopes - moderate to steep; considerable rock; little brush. Throughout in sheltered spots occur patches of very good yellow pine.

Mature Areas

Spruce - Lodgepole Pine - 6.0 M. per acre 710 acres

Accessible

Site: Fair.
Volume: Spruce - 50%; Balsam - 16%; Lodgepole Pine - 34%.
Remarks: Soil fair, slopes moderate and in general timber in good shape.
Other Areas

The bulk of the compartment is covered by moderately stocked stands of immature lodgepole pine of various ages from 5 years to 105 yrs. In general, the soils are thin and poor - growth is slow - defect common. Near the lake are approximately 1000 acres of logged and logged and burned areas with little reproduction. In general, the sites are good.

Compartment 22A

Main Area

Fir - Yellow Pine - 3.3 M. per acre - 40% Rock

Accessible
Site: Yellow Pine - medium; fir - 80.
Volumes: Yellow Pine - 48%; fir - 52%.
Diameters: Yellow Pine maximum 32", average 16".
  Fir    "  32",    "  14".
Defects: Limbiness, buttrot, fire scars.
Remarks: The yellow pine is of fair quality with occasional
  sheltered patches of high grade trees. The fir is poor. Much
  rock, little brush, and moderate to steep slopes.

Mature Areas

Yellow Pine - 4.2 M. per acre

Accessible
Site: Yellow Pine - medium; fir - 70.
Volumes: Yellow Pine - 98%; fir - 2%.
Diameters: Yellow Pine maximum 38", average 18".
Defects: crook, buttrot.
Remarks: Good logging conditions, deep soil, moderate slopes,
  moist conditions, fast growth and good quality yellow pine, is
  typical of this area. There is comparatively little rock.

Yellow Pine - 5.0 M. per acre - 40% Rock

Accessible
Site: Yellow Pine - medium; fir - 70.
Volumes: Yellow Pine - 90%; fir - 10%.
Diameters: Yellow Pine maximum 38", average 18".
  Fir    "  40",    "  18".
Defects: Light, buttrot, scars, etc.
Remarks: Fair logging chance. Fine quality yellow pine grows in
  the draws but elsewhere it is not so good. Slopes are steep and
  rock outcrops general.

Fir - Spruce - 3.0 M. per acre

Accessible
Site: Fair.
Volume: Fir 67%; spruce 33%.
Remarks: Poor logging chance as the slopes are steep and the rocky areas numerous. Timber is of poor quality. Throughout the stand tall big cull balsam grows in profusion. Much of the spruce and balsam has been blown down by the wind.

Fir 3.6 M per acre - Part Logged 1918-22
Accessible.
Site: Yellow pine medium; fir 100; spruce 80.
Volume: Yellow pine 16%; fir 75%; spruce 9%.
Diameters: Fir maximum 30 inches, average 12 inches.
Remarks: Soil deep, slope moderate, moist situation, and little rock. On the whole good logging conditions. Good quality fir has been removed. Growth is excellent.

Fir 4.0 M per acre
Accessible.
Site: Fir 90; spruce 100.
Volume: Fir 54%; spruce 46%.
Diameters: Fir maximum 28 inches, average 18 inches.
Spruce maximum 26 inches, average 16 inches.
Remarks: Good logging conditions, moderate slopes, deep soil, little rock, good growth. Both fir and spruce of good quality.

Fir 2.0 M per acre
Accessible.
Site: Poor.
Volume: Fir 100%.
Remarks: Moderate but rocky slopes, poor growing conditions. A fair understory of lodgepole pine exists. The fir is of poor quality.

Other Areas

Fir - Yellow Pine Selectively Logged
Accessible.
Site: Good.
Density: Yellow pine 210 trees per acre (55% zeros).
Fir 370 trees per acre (80% zeros).
Lodgepole Pine 70 trees per acre (45% zeros).
Potential Use: Sawlogs.
Remarks: Soil is deep, the slopes moderate and moist condition prevails. Good quality yellow pine has been cut from this area. Reproduction is good and growth fast.

Other areas include a large area of varied lodgepole pine types above and east of the railroad. These immature stands are on good sites and are fast growing and well stocked. West of the railroad the immature lodgepole pine is poorer in quality, site and growth. Further west are vast areas of lodgepole pine and fir scrub and rock (4200 acres approx.). Along the lake shore are scattered areas of rock (280 acres), cultivation (80 acres), logged over land (140 acres), and open range (550 acres).
Compartment 22B

Main Area

Lodgepole Pine 1931
2,740 acres
Large area burned in 1931 which is reproducing well in lodgepole pine.

Mature Areas

Spruce-Lodgepole Pine 6.0 M per acre
310 acres
Patch of mature timber missed by the fire in 1931. Probably very similar to main type compartment 20B. About 3 miles from railroad at Chute Lake.

Fir-Larch 4.0 M per acre
150 acres
This type extends along the railroad 4 miles north of Chute Lake, easily connected to power line road with one-half mile of road.

Other Areas

Lodgepole Pine 1881 - Fir-Larch - Seed Trees
1,350 acres
Area along railroad 2 miles from Chute Lake. Good growing site. Rest of compartment made up of lodgepole pine stands of various ages.

Compartment 23A

Main Area

Yellow Pine-Fir Logged Selectively 1916-1933
2,220 acres
Accessible.
Site: Yellow pine fair; fir poor.
Density: Yellow pine 250 trees per acre, well stocked with smaller diameters and with trees up to 26 inches. Fir 220 trees per acre, well stocked below 8 inches in diameter, maximum 24 inches.
Potential Use: Sawtimber and fir cordwood.
Remarks: Average of eleven trees, averaging 20 inches in diameter taken from area in logging operations from 1916 to 1933, which in some cases covered an area twice. Very accessible to West Summerland. Easy country to log. Area on southeast is broken by rocky knolls. Good grazing in this type.

Other Areas

Yellow Pine Logged Selectively
420 acres
Accessible.
Site: Yellow pine fair; fir poor.
Density: Yellow pine 435 trees per acre, with a heavy predominance of zeros and twos and extending up to 24 inches. 35 fir per acre, mostly zeros.
Potential Use: Sawlogs.
Remarks: Average of 17 trees averaging 20 inches diameter taken from the area. Old logging area adjacent to Fish Lake road. Easy logging ground.

Yellow Pine Logged 240 acres
Accessible.
Site: Yellow pine fair; fir poor.
Density: Yellow pine 75 trees per acre up to 16 inches in diameter mostly zeros; fir 16 trees per acre.
Potential Use: Sawlogs.
Remarks: Area has been logged twice, 16 trees per acre, averaging 20 inches, have been taken from area; this has resulted in understocking. Easy logging chance. Patches of open ground.

Yellow Pine - Semi-Open Range - Logged Selectively
There are several patches totalling 1,280 acres. Very open type resulting in short limby trees, but timber is used for box lumber and is very accessible.

Yellow Pine-Fir Logged 1928 and 1935 230 acres
Accessible.
Site: Poor.
Density: Yellow pine 80 trees per acre, mostly zeros.
Fir 110 zeros per acre.
Potential Use: Sawlogs.
Remarks: Area very broken with rocky knolls. Have been some large trees in the draws, 9 trees per acre have been removed.

Yellow Pine-Fir Logged 1921, 1929, 1937 490 acres
Accessible.
Site: Fair to poor.
Density: Yellow pine 90 trees per acre mostly zeros, but with fair diameter distribution up to 22 inches. Fir 90 trees per acre, up to 22 inches.
Potential Use: Sawlogs and fir cordwood.
Remarks: Logging on this type has taken place in various parts in 1921, 1929 or 1937. Extends from scrub down to the well stocked yellow pine-fir type in the valley. Type heavily logged 19 trees per acre being removed.

Fir-Yellow Pine Logged 1920-1937 970 acres
Accessible.
Site: Medium for yellow pine; poor for fir.
Density: 35 yellow pine per acre, diameter distribution fair, with diameters to 24 inches; 100 fir per acre.
Potential Use: Sawlogs and fir cordwood.
Remarks: Area broken by rocky ridges. Eight stumps per acre.
Logging from 1920 to 1937. Easy to log. Adjacent to
Eneas Creek road.

(Fir Cordwood) Yellow Pine 1.4 M per acre - 40% Rock 150 acres
Patch of very broken country on the east bank of Trout Creek with
scattered sawlog values. Hard logging chance but considered accessible.

Compartment 23B

Main Area

Yellow Pine Logged Selection

Accessible.

Site: Tall.

Density: 230 trees per acre, average diameter approximately 5
inches with diameters ranging up to 18 inches.

Potential Use: Sawlogs.

Remarks: This is an evenaged stand which shows good growth and
if the stand were thinned should increase considerably.
This is a very good site. The former stand, logged a
long time ago, consisted of scattered large veterans.
Eleven trees per acre logged. This is a suitable site
for a thinning study.

Mature Areas

Yellow Pine 3.5 M per acre

Accessible.

Site: Yellow pine medium; fir 60.

Volume: Yellow pine 90%; fir 2%.

Diameters: Yellow pine maximum 28 inches, average 20 inches.

Defects: Yellow pine - dead top and buttrot.

Fir - ring shake, crook and limbs.

Remarks: Area broken and rocky. Accessible to Garnet Lake road.

Other Areas

Fir-Yellow Pine Logged

Accessible.

Site: Fair.

Density: Yellow pine - 22 trees per acre, up to 24 inches.
Fir - 135 trees per acre, also considerable cordwood
and cull fir.

Potential Use: Sawlogs.

Remarks: Eight trees per acre have been logged. Has been logged
from the Fish Lake road.

Yellow Pine-Fir Logged Selection 1930-35

Site: Yellow pine medium; and fir 60.

Density: Yellow pine - 260 trees per acre mostly zeros and twos.
Fir - 80 trees per acre, mostly zeros and twos.
Potential Use: Sawlogs.
Remarks: Flat easy logging. Good stand of young growth which appears to have come in after a fire. Area logged twice. Six trees per acre removed.

Fir-Yellow Pine Logged Selection
Site: Yellow pine medium; fir 60.
Density: Yellow pine 145 trees per acre, mostly below 8 inches.
Fir 450 trees per acre.
Potential Use: Sawlogs.
Remarks: Easy logging ground. Patches of even aged immature. Ten trees per acre taken from area.

Yellow Pine Burned 1924 and 1930
Site: Medium.
Density: Yellow pine - 55 trees per acre, mostly sixes and eights.
Fir - 40 trees per acre, mostly sixes.
Potential Use: Sawlogs.
Remarks: Area has been burned twice, leaving mostly the sixes and eights. The understory will probably fill in slowly.

Fir-Lodgepole Pine 1932 - 25% Rock
Type on the south bank of Enneas Creek has come in following 1930 burn. Area very rocky and broken.

Compartment 23C

Main Area

Yellow Pine 6.0 M per acre
Accessible.
Site: Yellow pine medium; fir 60.
Volume: Yellow pine 91%; fir 9%.
Diameters: Yellow pine maximum 36 inches, average 22 inches.
Defects: Yellow pine - dead top.
Fir - ring shake, and limbs.
Remarks: Open stand of pine, easy logging conditions but a difficult haul to Peachland due to deep draw of Peachland creek. Logging at present is adjacent to this stand.

Mature Areas

Fir-Yellow Pine 3.0 M per acre (Part Burn 1933)
Accessible.
Site: Yellow pine medium; fir 60.
Volume: Yellow pine 44%; fir 56%.
Diameters: Yellow pine maximum 32 inches, average 20 inches.
Fir maximum 28 inches, average 20 inches.
Defects: Yellow pine - buttrot, fire scar. Fir - buttrot, shake and fire scar.

Remarks: Ground fire in 1933 killed most of the trees under 8 inches. A new crop of zeros has come in, mostly fir. Area accessible to existing roads to Peachland.

(Fir Cordwood) Fir-Yellow Pine 4.0 M per acre 140 acres
See 330 acre type, Compartment 34A.

Fir 8.1 M per acre
Accessible.
Site: 90.
Volume: 100% fir.
Diameters: Maximum 22 inches, average 16 inches.
Defects: Buttrot, catface, slight ring shake.
Remarks: Stand of small fir suitable for ties. Ground fire has destroyed the understory. Accessible to Peachland. Will require 1½ miles of road beyond present logging road.

Fir 4.7 M per acre
Accessible.
Site: Fir 70.
Volume: 100% fir.
Diameter: Maximum 30 inches, average 18 inches.
Defects: Fir - shake, buttrot and limbs.
Remarks: Fairly flat area. Accessible to Peachland by continuing present logging road. Good ties stand.

Spruce 17 M per acre
Accessible.
Site: Fir 100; spruce 100; lodgepole pine 100.
Volume: Fir 1%; spruce 88%; balsam 2%; lodgepole pine 9%.
Diameters: Fir maximum 24 inches, average 20 inches.
Spruce maximum 22 inches, average 16 inches.
Balsam maximum 16 inches, average 14 inches.
Lodgepole pine maximum 18 inches, average 12 inches.
Defects: Fir - buttrot.
Spruce - rot.
Balsam - buttrot, and heartrot.
Lodgepole pine - rot.
Remarks: Good stand of small spruce, has fair sawlog values, but will improve if left to grow. Requires 5 miles of road building to connect with present Camp Creek road, making 12 miles to the railroad at Thirsk. An alternative route requiring 8 miles of road building - 3 miles through timber and 5 through burn - to connect with the existing road to Peachland. An expensive operation for the present.

Lodgepole Pine 5.0 M per acre
Patches of pure lodgepole pine among the spruce.
Lodgepole Pine-Spruce 6.1 M per acre
See compartment 25H.

(Fir Cordwood) Yellow Pine 2.9 M per acre.
See compartment 34A (Main Area).

Other Areas

Fir 1933, Fir Seed Trees
Large area of fir burned in 1933 but restocking well. Also ten fir seed trees per acre and some scattered yellow pine.

Yellow Pine-Fir Logged 1923 and Burned 1924 and 1930
The area has been burned twice since logging in 1923 which has resulted in very poor reproduction on the area.

Yellow Pine-Fir Logged Selection
See compartment 34A.

Lodgepole Pine 1878
Well stocked stand - average 70% lodgepole pine.

Lodgepole Pine 1926
Stand of young lodgepole pine, which has replaced the stand of lodgepole pine 1878 following a fire in 1926.

Fir-Balsam 1933 - Fir Seed Trees
This stand has come in since a fire in 1933, replacing a stand of mature spruce, fir and lodgepole pine.

Compartments 24A

Main Area

Fir-Yellow Pine Selectively Logged 1922-34
Site: Yellow pine medium; fir 60.
Density: Yellow pine 120 trees per acre with diameters ranging up to 24 inches. Fir 300 trees per acre, mostly zeros.
Potential Use: Sawlogs.
Remarks: Twelve trees per acre have been removed from the area in logging operations between 1922 and 1934. Lies west of the Fish Lake road about 7 miles from West Summerland. Easy logging country.

Other Areas

Yellow Pine Selectively Logged 1933 to 1938
See Compartment 23A.

Yellow Pine-Fir Logged 1916 to 1937
Site: Yellow pine - short to medium; fir 60.
Density: Yellow pine - 60 trees per acre, mostly zeros but ranging up to 28 inches.
Fir - 55 trees per acre, diameter range similar to yellow pine.
Potential Use: Sawlogs and fir cordwood.
Remarks: Area logged in patches between 1916 and 1938, in some cases for the second time. Twelve trees, averaging 20 inches have been removed. Area easy logging show but broken by rocky knolls and ridges. East of Fish Lake road about 7 miles from West Summerland.

Yellow Pine - Logged
Site: Yellow pine medium; fir 60.
Density: Yellow pine 110 trees per acre with diameters up to 18 inches well represented. Fir 30 trees per acre, mostly zeros.
Potential Use: Sawlogs and fir cordwood.
Remarks: Area lies along Fish Lake road. Easy slopes. There has been a portable mill on the area. On old creek bottom, there are patches of even-aged yellow pine.

Yellow Pine - Fir - Logged and Burned
Site: Yellow pine medium; fir 60.
Density: Yellow pine 45 trees per acre, diameters well distributed up to 16 inches.
Potential Use: Sawlogs and fir cordwood.
Remarks: Area has been burned twice, in 1919 and 1931, and logged. This results in very sparse reproduction and large patches of brush. Area on Fish Lake road.

Fir - Yellow Pine Semi-Open Range - Logged 1929-30
Area of very open country with scattered trees, and very poor reproductions. Accessible to Faulden. On a bench north of Trout Creek.

Compartement 24B

Main Area

Fir - Yellow Pine 3.1 M per acre
Accessible.
Site: Yellow pine medium; fir 70.
Volume: Yellow pine 68%; fir 32%.
Diameters: Yellow pine maximum 36 inches, average 18 inches. Fir maximum 34 inches, average 18 inches.
Defects: Yellow pine - fire scar and buttrot.
Fir - fire scar and ring shake.
Remarks: Area around Derke Lake is about 17 miles from West Summerland. Fair logging condition. Ground steep in places but not rough. Yellow pine is scattered through area.

Mature Areas

Yellow Pine - Fir 2.5 M per acre - 20% Rock
Accessible.
Site: Yellow pine medium; fir 60.
Volume: Yellow pine 44%; fir 35%.
Diameters: Yellow pine maximum 32 inches, average 20 inches. Fir maximum 34 inches, average 16 inches.
Defects: Yellow pine - butrot and dead top. Fir - limbs, ring shake, and fire scar.
Remarks: Area very rough and broken. About 14 miles from West Summerland.

Fir - Yellow Pine - 3.0 M per acre 570 acres

Accessible.
Site: Yellow pine medium; fir 60.
Volume: Yellow pine 44%; fir 56%.
Diameters: Yellow pine maximum 32 inches, average 22 inches. Fir maximum 30 inches, average 16 inches.
Defects: Yellow pine - butrot, toprot and fire scar. Fir - limbs, crock, fire scar.
Remarks: Area is rough and steep. Fir is very poor and mostly should be used for cordwood. Approximately 12 miles to West Summerland. Will require no road building except on area.

Fir 4.4 M per acre 640 acres

Accessible.
Site: Fir 80; spruce 80; lodgepole pine 60.
Volume: Fir 86%; spruce 6%; lodgepole pine 8%.
Diameters: Fir maximum 30 inches, average 20 inches.
Defects: Fir - fire scar, limbs, and crock.
Remarks: Area rough and broken. Spruce found mostly in the draws. Situated above the previous type. Some ties on the area.

Fir 4.5 M per acre 300 acres
Fir 4.5 M per acre 270 acres

These areas are situated on the hills above Darke Lake and Darke Creek, and are mostly surrounded by lodgepole pine 1878. Timber similar to above type. Area not so rough and broken.

Yellow Pine - Fir 2.5 M per acre 100 acres
Two patches of small timber which have been missed by loggers. Poor quality.

Yellow Pine - Fir 4.5 M per acre - Part Burned 1933 160 acres
An area at north end of Darke Lake which has been partly burned but has some good yellow pine left. 71% yellow pine.

Other Areas

Fir - Yellow Pine Logged 1933 and 1938 180 acres

See compartment 23B.
Yellow Pine - Fir - Selectively Logged

Site: Yellow pine medium; fir 60.
Density: Yellow pine 235 trees per acre, mostly below 8 inches, but running up to 16 inches.
Fir 80 trees per acre, mostly zeros and twos.
Potential Use: Sawlogs.
Remarks: Situated on flat country and well stocked with a fairly even-aged stand. Area has been logged twice, removing 15 trees per acre. Adjacent to Munro's farm.

Yellow Pine - Fir - Logged 1923-28

Site: Yellow pine medium; fir 60.
Density: Yellow pine 90 trees per acre up to 16 inches.
Fir 35 trees per acre, mostly zeros.
Potential Use: Sawlogs and fir cordwood.
Remarks: Area is adjacent to Darke Lake road and is rocky and broken.

Fir - Yellow Pine - Selectively Logged

Site: Yellow pine medium; fir 80.
Density: Yellow pine 155 trees per acre.
Fir 260 trees per acre.
Potential Use: Sawlogs.
Remarks: Very flat area - almost bottom land - with plenty of moisture resulting in large percentage of fir. Eleven trees have been logged from the area.

Lodgepole Pine 1978

Well stocked stand, 70% of lodgepole pine.

4,050 acres

Compartment 25A

Main Area

Yellow Pine - Fir 3.9 M per acre

1,270 acres

Site: Yellow pine medium; fir 60.
Volume: 72% yellow pine; 28% fir; also fir cordwood.
Diameters: Yellow pine maximum 34 inches, average 24 inches.
Fir maximum 34 inches, average 18 inches.
Defect: Yellow pine - buttrot, limbs, and crook.
Fir - buttrot, limbs, crook, and shake.

Mature Areas

Yellow Pine 3.9 M per acre

1,140 acres

Accessible.
Site: Yellow pine medium; fir 60.
Volume: 97% yellow pine; 3% fir, also some fir cordwood.
Diameters: Yellow pine maximum 30", average 20".
   Fir  "  28", "  14".
Defects: Yellow pine, buttrot, limbs, fire scar, and insect damage.
   Fir, buttrot, limbs, fire scar.
Remarks: Similar to above type.

Yellow Pine - 2.2 M. per acre  220 acres
Accessible
Site: Yellow pine medium; fir 60.
Volume: 100% yellow pine; some fir but mostly cordwood.
Diameters: Yellow pine maximum 30", average 18".
Defects: Yellow pine, limbs, and dead top.
Remarks: Good site along bottom of valley. Very accessible. Open
stand. Fir of no value except cordwood. Site too dry for this
species. Very light cut taken from the area; yellow pine 2
stumps per acre, average 25" diameter, fir 1.5 stumps average 19".

Yellow Pine - 0.7 M. per acre - Semi-Open Range  130 acres & 60 acres
Open short yellow pine; some fir cordwood; very accessible.

Yellow Pine - Fir Cordwood - 0.9 M. per acre  120 acres
Accessible
Site: Yellow pine medium, fir 60.
Volume: 100% yellow pine; numerous fir but of cordwood value.
Diameters: Yellow pine maximum 24", average 14".
Defect: Yellow pine, limbs and buttrot.
Remarks: See yellow pine 2.2 M. (220 acres) above. Heavy fir re-
production, mostly zeros.

Yellow Pine (Fir Cordwood) 1.4 M. per acre; 40% Rock  100 acres
Estimated. See type of same name - 150 acres - Compartment 25A.

Other Areas

Yellow Pine - Fir - Selectively Logged  1010 acres
Accessible
Site: Good site for yellow pine, but poor for fir.
Density: Yellow pine 255 trees per acre; fir 125 trees.
Potential Use: Yellow pine sawlogs and box shock,
Remarks: Very accessible, main roads throughout. Slopes easy.
   Yellow pine stumps 3.1 per acre, fir 0.9. A good type for
   selection cutting.

Fir - Yellow Pine - Selectively Logged 1932-3  130 acres
Accessible
Site: Good site for yellow pine but poor for fir.
Density: Yellow pine 150 trees per acre; fir 225 trees per acre.
Potential Use: Yellow pine sawlogs and box shock.
Remarks: Yellow pine 4.5 stumps average 25", fir 5.0 stumps per
   acre average 20". In other respects similar to above type.
Yellow Pine - Fir - Logged 1936

Accessible
Site: Good for yellow pine but poor for fir.
Density: Yellow pine 65 trees per acre, mostly zeros; fir 50 trees per acre.
Potential Use: Yellow pine sawlogs and box shook.
Remarks: Soil and climatic conditions would normally produce an open quick growing stand of yellow pine (medium site). The area has been logged so that at present it is understocked; however, there are probably sufficient seed trees to fill in the blank areas eventually.
Several small types totaling 200 acres of yellow pine and yellow pine-fir logged selectively similar to above types.
Two areas totaling 370 acres of yellow pine selectively logged semi-open range also similar.

Compartment 25B

Main Area

Fir - Yellow Pine - 2.3 M. per acre

Accessible
Site: Yellow pine medium; fir 70.
Volume: Yellow pine 81%; fir 19%.
Diameters: Yellow pine maximum 30" average 18".
Fir " 36", " 18".
Defects: Yellow pine, limbs, buttrot and fire scar.
Fir, limbs, buttrot, shake and fire scar.
Remarks: Large areas of fir with scattered patches of yellow pine.
The fir in general is poor quality but has some sawlog values.
There is good grazing on the area. The topography is rolling, making an easy logging chance.

Mature Areas

Fir - Yellow Pine - 1.7 M. per acre - Part Burned 1932

Similar to the main type with 40% yellow pine. Some of fir killed by fire in 1932.

Other Areas

Fir - Yellow Pine - Selectively Logged 1931-4 - 25% Not Satisfactorily Restocked

Site: Yellow pine, medium; fir, 70.
Density: Yellow pine 35 trees per acre, mostly zeros with scattered trees up to 8 inches.
Fir 345 trees per acre, mostly below 8 inches.
Potential Use: Sawlogs and cordwood.
Remarks: There are open patches where there is poor reproduction on 25% of area. Patches of rocks. The yellow pine is scattered throughout the area.
Yellow Pine - Fir - Logged 1927 150 acres
Small patch at mouth of Bully Creek was logged to the railroad. The lodgepole pine in this compartment was formerly established in 1872 but recent fires have burnt areas resulting in patches of various ages.

Compartment 25C

Main Area

Lodgepole Pine 1872 5250 acres
Well stocked stand - 95% lodgepole pine. Fair growing site.

Mature Areas

Fir - 6.8 M. per acre 200 acres
Small patch of timber accessible through Liddell Creek. Requires 2 miles of road beyond the timber in Compartment 25B.

Spruce - Balsam - Lodgepole Pine - 4 M. per acre 90 acres
" " " 170 acres
Two isolated areas of mature timber just below scrub line.

Compartment 25D

Main Area

Lodgepole Pine 1872 9350 acres
Well stocked stand 95% lodgepole pine. Fair to poor growing site. Large areas of scrub and burned scrub. A fire in 1926 burned through much of the compartment resulting in patches of young lodgepole pine throughout the type.

Lodgepole Pine 1928 - Fir Seed Trees 4560 acres
Large area along Trout Creek burnt in 1928 and restocking with lodgepole pine.

Compartment 25E

Main Area

Fir - 3.6 M. per acre 1780 acres
Accessible
Site: Yellow Pine medium; Fir 70; Spruce 60.
Volumes: Yellow Pine 4%; Fir 92%; Spruce 4%.
Diameter: Yellow pine maximum 24", average 20".
Fir 32"; 20".
Defects: Fir, crook, limbs, fire scar, and shake.
Remarks: Scattered yellow pine at the lower levels and scattered spruce at upper elevations. There is an under-
story of lodgepole pine. The fir is poor quality with con-
siderable cordwood volume; also there are considerable ties.
Accessible to Kettle Valley Railroad.

Other Areas

Yellow Pine - Fir - Logged 1923-4 190 acres
Small area on a bench above Trout Creek logged to a siding on the railroad. Poor regeneration.
Large area (2110 acres) of open range between the timber and Trout Creek has good grazing.

Compartment 25F

Main Area

Fir - Yellow Pine - 2.1 M. per acre 2060 acres
Accessible
Site: Yellow pine medium; fir 70.
Volume: Yellow pine 36%; fir 64%.
Diameters: Yellow pine 32", average 20".
Fir 28", 18".
Defects: Yellow pine, fire scar and buttrot.
Fir, limbs, crook and shake.
Remarks: Area extends along Trout Creek behind old logging - about 1/2 to 1 mile from creek. Fair logging chance. Can be logged to the railroad at Altamont.

Mature Areas

Fir - 1.8 M. per acre 670 acres
This type lies above the main type. Poor quality fir suitable for ties. Considerable lodgepole pine immature in the understory.

Lodgepole Pine - Spruce - 6.1 M. per acre 190 acres
See Compartment 25H.

Spruce - Lodgepole Pine - 4.0 M. per acre 280 acres
Small patch of mature timber south of Munro Lake.

Other Areas

Lodgepole Pine 1678 5410 acres
Well stocked area 70% lodgepole pine has been burned in several patches by fires in 1922, 1925 and 1926, all of which are restocking except the 1925 burn.
Compartment 25G

Main Area

Lodgepole Pine 1916
Well stocked stand, 90% lodgepole pine. Fair growing site. Former stand was lodgepole pine 1872.

Compartment 25H

Main Area

Yellow Pine - Fir - 2.8 M. per acre
Accessible
Site: Yellow pine medium; fir 60; spruce 40.
Volume: Yellow pine 60%; fir 35%; spruce 5%.
Diameters: Yellow pine maximum 30", average 20".
   Fir      "    28",      "    16".
Defects: Yellow pine, buttrot, crook, and limbs.
   Fir, buttrot, crook, limbs, and shake.
Remarks: Fair logging chance to railroad. Adjacent to railroad except for area that has been logged near Thirsk. Fairly steep ground.

Mature Areas

Yellow Pine - Fir - 2.2 M. per acre - 30% Rock
Accessible
Site: Yellow pine medium; fir 90; spruce 80.
Volume: Yellow pine 51%; fir 32%; spruce 17%.
Diameters: Yellow pine maximum 26", average 20"
   Fir    "    22",      "    16".
   Spruce "    20",      "    16".
Defects: Yellow pine, buttrot, crook, and limbs.
   Fir, buttrot, crook, limbs, and shake.
   Spruce, limby, and twist.
Remarks: Area on east side of Camp Creek. Very rocky and broken.
   Would require very little road building to connect with Camp Creek road.

Fir - 3.9 M. per acre
Accessible
Site: Fir, 70.
Volume: Fir, 93%; spruce 2%; lodgepole pine 5%.
Diameters: Fir maximum 28", average 18".
Defects: Fir, limbyness, pitch shake, and crock.
Remarks: Fairly young stand. Suitable for ties. Type adjoins Camp Creek road.

Lodgepole Pine - Spruce - 6.0 M. per acre 210 acres
This type is situated below the scrub line. Considered inaccessible because of steep road building and isolated location.

Lodgepole Pine - Spruce - 6.1 M. per acre 250 acres
Accessible
Site: Fir 80; spruce 100; lodgepole pine 100.
Volume: Fir 12%; spruce 23%; lodgepole pine 51%; balsam 4%.
Diameters: Fir maximum 20", average 16".
Spruce " 22", " 16".
Lodgepole Pine maximum 16"; average 14".
Defects: Fir, crook and buttrot.
Spruce, rot and limbs.
Balsam, rot.
Lodgepole pine, beetle infestation.
Remarks: This type extends into 4 compartments and includes 1050 acres altogether. Fair logging chance, accessible to the Camp Creek road.

Other Areas

Lodgepole Pine - Fir - Yellow Pine - Logged and Burned 400 acres
Site: Yellow pine medium; fir 60.
Density: Yellow pine 50 trees per acre, mostly zeros
Fir 75 trees per acre, mostly zeros
Lodgepole pine 110 trees per acre, mostly zeros
Potential Use: Sawlogs.
Remarks: Reproduction is very patchy, also patches of willow and alder. Adjacent to Kettle Valley railroad.

Lodgepole Pine 1879
Well stocked stand averaging 87% lodgepole pine. Average site.

Compartment 25J

Main Area

Yellow Pine - Fir - 3.2 M. per acre 900 acres
Accessible
Site: Yellow pine medium; fir 60.
Volume: Yellow pine 71%; fir 29%.
Diameters: Yellow pine maximum 28", average 18".
Fir " 28", " 20".
Defects: Yellow pine, limbs, buttrot and crook
     Fir, limbs, buttrot and crook, and shake.
Remarks: Area accessible to Thirsk. Easy logging chance.
     Very poor reproduction in most of type due to ground fire in 1924.

Mature Areas

Lodgepole Pine - 2.3 M. per acre 330 acres
     A patch of mature lodgepole pine over the divide in Kathleen Creek drainage.

Other Areas

Yellow Pine - Fir - Logged and Burned 420 acres
     Site: Yellow pine, medium
     Density: Yellow pine, 18 trees per acre.
     Potential Use: Sawlogs.
     Remarks: Area situated along the railroad has been severely burned so that there is practically no reproduction. Twenty-six trees per acre have been logged.

Fir - Yellow Pine - Logged and Burned - Fir Seed Trees 220 acres
     Area situated along the railroad has been heavily burned.

Fir - Yellow Pine - Logged 210 acres
     Area missed by the fire. Poor site with very rough ground.

Lodgepole Pine 1879 1030 acres
     Well stocked stand averaging 87% lodgepole pine. Fair growing site.

Lodgepole Pine 1898 980 acres
     Well stocked stand averaging 93% lodgepole pine. Average growing site.

Lodgepole Pine 1915 750 acres
     Well stocked stand which was lodgepole pine 1879 before the fire.

Compartment 25K

Main Area

Lodgepole Pine - Spruce - 9.8 M. per acre 5350 acres
     Accessible
     Site: Lodgepole pine 100, spruce 120
     Volume: Lodgepole pine 79%, spruce 21%
     Diameters: Lodgepole pine maximum 20", average 14".
                 Spruce  " 22",  " 16".
Defects: Lodgepole pine, bark-beetle and catface
        Spruce, buttrot
Remarks: Large area around White Head Lake and extending north
to the height of land. Stand is in thrifty-to-mature con-
dition. Requires about 8 miles of road to the first body
of timber and about 1½ miles to the main area. Should be
fair logging conditions. At present there is no market for
this type of stand.
The rest of the productive acreage is made up of lodgepole
pine 1879 and 1898.

Compartment 25L

Main Area

Spruce – Lodgepole Pine – 5.2 M. per acre

<table>
<thead>
<tr>
<th>Accessible</th>
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<tbody>
<tr>
<td>Site: Spruce, 80; lodgepole pine, 70.</td>
</tr>
<tr>
<td>Volume: Spruce, 46%; lodgepole pine, 42%; balsam, 10%.</td>
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<tr>
<td>Diameters: Spruce maximum 28&quot;, average 16&quot;.</td>
</tr>
<tr>
<td>Lodgepole pine &quot; 16&quot;, &quot; 12&quot;.</td>
</tr>
<tr>
<td>Balsam &quot; 22&quot;, &quot; 16&quot;.</td>
</tr>
<tr>
<td>Defects: Spruce, rot and limbs</td>
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<tr>
<td>Lodgepole pine, decadence</td>
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<tr>
<td>Balsam, rot, crook</td>
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| Remarks: This type is in several patches separated by lodgepole
pine 1879. Accessible to Mazama. Requires about 11 miles of
main road along Trout Creek and other secondary roads. The
main road will be used also for logging Compartment 25M.
Good logging conditions. |

Mature Areas

Spruce – Lodgepole Pine – 8.5 M. per acre

<table>
<thead>
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<tbody>
<tr>
<td>Site: Fir, 80; spruce, 80; lodgepole pine, 70.</td>
</tr>
<tr>
<td>Volume: Fir, 10%; spruce, 54%; balsam, 16%; lodgepole pine, 20%.</td>
</tr>
<tr>
<td>Diameters: Fir maximum 32&quot;, average 24&quot;.</td>
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<tr>
<td>Spruce &quot; 32&quot;, &quot; 20&quot;.</td>
</tr>
<tr>
<td>Balsam &quot; 22&quot;, &quot; 16&quot;.</td>
</tr>
<tr>
<td>Lodgepole pine &quot; 14&quot;, &quot; 18&quot;.</td>
</tr>
<tr>
<td>Defects: Fir, crock and catface, buttrot.</td>
</tr>
<tr>
<td>Spruce, some rot.</td>
</tr>
<tr>
<td>Balsam, rot and limbs.</td>
</tr>
<tr>
<td>Lodgepole pine, catface, crock and bark-beetle.</td>
</tr>
</tbody>
</table>
| Remarks: Good sawlog spruce. Accessible to Mazama requiring
about 14 miles of road along Trout Creek. |
Fir - 7.6 M. per acre
Accessible
Site: Fir 80; spruce 80.
Volume: Fir 75%; spruce 19%; balsam 3%.
Diameters: Fir maximum 32", average 20".
Spruce " 26", " 18".
Defects: Fir, buttrot, crook and limbs.
Spruce, rot and limbs.
Balsam, rot.
Remarks: Area will be logged with the main areas in the compartment. Situated on a low ridge with broken ground. Fair logging country.
Rest of the compartment is made up mostly of lodgepole pine 1879 and small patches of various ages.

Compartment 25M

Main Area

Spruce - 6.8 M. per acre
Accessible
Site: Spruce 80; lodgepole pine 90.
Volume: Spruce 73%; balsam 14%; lodgepole pine 13%
Diameters: Spruce maximum 36", average 20"
Balsam " 32", " 16".
Lodgepole pine " 22", " 14".
Defects: Spruce, limbiness and buttrot.
Balsam, buttrot and heartrot.
Lodgepole pine, beetle damage.
Remarks: Easy slopes making good logging conditions. The lodgepole pine has been largely beetle-killed, resulting in considerable ground litter. This timber is accessible to Mazama and will use the same main road as Compartment 25L. This type has many small trees and will probably be some time before it is logged.
The remaining productive area supports stands of lodgepole pine of various age classes.

Compartment 26

Main Area

Open Range
This area consists of the slope to Okanagan Lake, mostly very steep.

Other Areas

Yellow Pine - Logged 1929 to 1937 - 20% Rock
See Compartment 34A
Several patches of semi-open range which have scattered trees on open range.
Compartment 27A

Main Area

Yellow Pine - (Fir Cordwood) - Logged - 25% Rock 1,760 acres
This is a very rocky and broken area. It has been logged throughout wherever the timber occurred. The reproduction and advance growth is very scarce. There is considerable grazing throughout this type, but the area has been badly overgrazed.

Mature Areas

Yellow Pine 3.4 M per acre - 35% Rock 210 acres
Accessible.
Site: Yellow pine - short; fir 90.
Volume: Yellow pine 95%; fir 7%.
Diameters: Yellow pine maximum 32 inches, average 20 inches.
Defects: Yellow pine - limbness and buttrot.
Remarks: Patch of good timber on a very rocky and broken area, which will make logging difficult. An average haul of 1/2 miles to the lake. Just east of this type along the creek is a good stand of yellow pine 3.0 M per acre on 80 acres.

Yellow Pine - Fir 2.0 M per acre - 20% Rock 550 acres
This type occurs in patches surrounded by scrub and rock. It is a very difficult logging chance.

Other Areas

Yellow Pine - Fir - Logged 1936-38 280 acres
Site: Yellow pine medium; fir 60.
Density: Yellow pine 500 trees per acre mostly zeros and twos.
Fir 150 trees per acre, mostly zeros and twos.
Potential Use: Sawlogs and box lumber.
Remarks: A well stocked stand of immature yellow pine. 10 yellow pine and 1 fir trees per acre have been logged. Very rough area.

Yellow Pine - Fir - Selectively Logged 340 acres
This is a small area of good soil and easy slopes which has restocked after logging.

Yellow Pine - Fir - Logged 1925-27 290 acres
This area is 30% rock and is very broken. Good quality yellow pine was logged. There is a small patch of 140 acres of yellow pine 4.6 M per acre behind the logging.
Yellow Pine - Fir - Selectively Logged 1925-27 410 acres
This type is in very broken country with 25% rock. It has restocked satisfactorily after logging.

Compartment 27B

Main Area

Yellow Pine - Fir - Selectively Logged 1,750 acres
Site: Yellow pine medium; fir 50.
Density: Yellow pine 260 trees per acre, with diameters well distributed.
Fir 160 trees per acre.
Potential Use: Sawlogs and cordwood.
Remarks: There are patches of scrub rock and brush throughout the area. The type occurs mostly along the lakeshore and is accessible by road to Kelowna.

Mature Areas

Yellow Pine - Fir 3.5 M per acre 170 acres
Accessible.
Site: Yellow pine medium; fir 100.
Volume: Yellow pine 52%; fir 48%.
Diameters: Yellow pine maximum 30 inches, average 22 inches.
Fir maximum 22 inches, average 16 inches.
Defects: Yellow pine - fire scar and buttrot.
Fir - witches broom, limbyness and shake.
Remarks: A patch of timber beyond the logging. Very rough country - a difficult logging chance.

Fir - Yellow Pine 3.1 M per acre 200 acres
This is a patch of timber beyond the present logging. The area is very steep and broken, making logging expensive.

Fir - Yellow Pine 4.0 M per acre 250 acres
A patch of timber in a very rough broken area along the power line just north of the railroad. The fir is very poor quality, and the yellow pine is scattered.

Fir - Larch 2.5 M per acre 520 acres
A very rough broken area, with a cover of poor fir and larch. Mostly west of the power line just below the railroad.
Other Areas

Fir - Yellow Pine Selectively Logged 1928-39  770 acres
Site: Yellow pine medium; fir 70.
Density: Yellow pine 95 trees per acre, diameters well
distributed.
Fir 484 trees per acre.
Potential Use: Sawlogs, box lumber and fir cordwood.
Remarks: Type is on a very rough sidehill broken by
rock outcrops. The fir is very poor being
infected with mistletoe and bark beetle.
Diameter distribution of the stand is good.
An average of 7.2 yellow pine and 1.5 fir
per acre have been logged.

Fir Selectively Logged 1926-39  1,730 acres
Site: Yellow pine medium to tall; fir 60 - 80.
Density: Yellow pine 50 trees per acre,
Fir 455 trees per acre, mostly zeros, diameters
well distributed.
Potential Use: Sawlogs and fir cordwood.
Remarks: The type extends along the Chute Lake road.
Area very rough and rocky with patches of
scrub, rock and brush throughout. An average
of 7.4 yellow pine and 6.1 fir logged from the
area.

Yellow Pine Selectively Logged 1,090 acres
Site: Yellow pine medium; fir 60.
Density: Yellow pine 695 trees per acre, mostly zeros
but larger diameters well represented.
Fir 40 trees per acre.
Potential Use: Sawlogs and box lumber.
Remarks: A large type on the good soil with easy slopes,
near the lake. This is a fine stand of small
yellow pine. An average of 13 trees per acre
logged.

Lodgepole Pine 1883  3,580 acres
Large area of well stocked lodgepole pine occupying the
productive sites between rocky and scrubby knolls in the
higher elevations.
Compartment 28A

Main Area

Fir - Larch 3.6 M per acre  2,450 acres
Accessible.
Site: Fair.
Volume: Fir 67%; larch 32%; lodgepole pine 1%.
Diameters: Fir average 14 inches.
Larch average 16 inches.
Defects: Fir - fire scars, crock and limbyness.
Larch - fire scars and heart rot.
Remarks: This is a poor quality stand of smaller diameters.
Some ties are available. Type occurs in two patches
one between the road and Mission Creek and the
other south of Hydraulic Creek. The slopes are steep.

Mature Areas

Fir - Larch 2.5 M per acre  470 acres
Accessible.
Site: Fir 70; larch II.
Volumes: Fir 65%; larch 35%; yellow pine 1%; lodgepole pine 1%.
Diameters: Fir maximum 26 inches, average 18 inches.
Larch maximum 26 inches, average 16 inches.
Defects: Fir - buttrot, crock, limbyness, shake and fire scar.
Larch - buttrot, some crock, pitch and shake.
Remarks: This type lies south of the road and is mostly poor
quality timber.

Spruce - Larch 6.1 M per acre  330 acres
A type along the bottom of Klo Creek. A very hard chance
as the area is very rough and steep.

Other Areas

Fir - Fir Cordwood Partly Burned  520 acres
This is an area burned so that there is not enough timber
to make a loggable stand but enough advance growth left
to make a selection stand with what reproduction has come
in since the fire.

Lodgepole Pine 1879  740 acres
Well stocked stand averaging 900 per acre with an average
of 3 inches d.b.h. and 25 feet tall.

Fir Selectively Logged 1932-39  880 acres
Site: Poor.
Density: Fir 486 trees per acre, mostly zeros.
Larch 20 trees per acre, all above 4 inches d.b.h.
Cedar 180 trees per acre, mostly zeros.

Potential Use: Sawlogs and cordwood.

Remarks: Poor quality stand. An average of 6.5 fir and 3.3 larch per acre have been logged.

Lodgepole Pine 1873
1,780 acres
A well stocked stand of lodgepole pine just north of McCulloch.

Lodgepole Pine 1896
2,050 acres
A large patch of lodgepole pine averaging 3,400 trees per acre. Poor site.

The remaining area is made up mostly of lodgepole pine of various ages and patches of poor quality timber. In the northwest part of the compartment there are some areas logged for yellow pine.

Compartment 28B

Main Area

Fir 5.1 M per acre
3,590 acres
Accessible. Main type is scattered throughout the compartment.
Site: Fir 90; larch II; spruce 80; lodgepole pine 70.
Volume: Fir 80%; larch 17%; lodgepole pine-spruce-cedar-cottonwood 3%.
Diameters: Fir maximum 34 inches, average 20 inches.
Larch maximum 28 inches, average 16 inches.
Defects: Fir - conk, fire scar, buttrot.
Larch - extreme conk, fire scar, buttrot.
Remarks: Stand on moderate to steep southern slopes.
Larch heavily infected by conk, specially near the northwest of the compartment. Fir more suitable for logging than larch. This stand should be logged in the near future as the timber is decaden.

Mature Areas

Cottonwood - Spruce 8.7 M per acre
140 acres
Accessible; Good highway within short distance.
Site: Fir 100; spruce 80; lodgepole pine 70.
Volume: Cottonwood 62%; spruce 27%; fir 5%; poplar-lodgepole pine 6%.
Diameters: Cottonwood maximum 38 inches, average 16 inches. Spruce maximum 20 inches, average 14 inches.

Defects: Cottonwood - heartrot.
         Spruce - limby.

Remarks: Stand situated along river bottom. Contains a few defective decadent trees, but bulk of timber mature and thrifty.

Cedar - Spruce 15 M per acre
Accessible. Close to valley highway.
Site: Fir 100; spruce 100.
Volume: Cedar 53%; spruce 21%; fir 17%; cottonwood 9%.
Diameters: Cedar maximum 40 inches, average 16 inches.
           Spruce maximum 28 inches, average 16 inches.
           Fir maximum 34 inches, average 20 inches.
Defects: Spruce - buttrot.
         Cedar - buttrot, limby, catface.
Remarks: Stand situated along creek bottom. Large cedar in very narrow strip on banks of stream. Smaller cedar on slope. Timber decadent and infected by rot, should be logged as soon as possible.

Larch - Fir 2.2 M per acre
Remarks: Thrifty stand of larch-fir-lodgepole pine, average diameter about 6 inches to 8 inches, on good site with a few defective larch of 20 inches to 22 inches diameter.

Scattered Fir 1.3 M per acre, Fir-Lodgepole Pine 1884 260 acres
Remarks: Open grown stand of fir on moderate to steep slope. Considerable fire scar, cat face, and wind shake, Cull factor of 50%, site fir 60. Large amount of fir cordwood and fir culls which could be used for cordwood.

Larch - Fir - Spruce 9.6 M per acre
See compartment 28C.

Fir 3.0 M per acre
Remarks: Stand on steep slope 4,000 feet to 4,700 feet.
         Fir 2 M; larch 0.5 M; lodgepole pine 0.5 M per acre.

Other Areas

Scattered Fir - Lodgepole Pine 1884 40% Non commercial cover 590 acres
Remarks: Too open stand of fir-lodgepole pine on good site. Moderate slope. About 740 trees per acre, not evenly distributed. Small fir could be used as Christmas trees.
Fir - Larch 1880 Scattered Seed Trees 1,480 acres
Remarks: Fir 700 per acre. Average diameter 2 inches.
Average height 25 feet. Moderate slope.

Lodgepole Pine - Fir - Larch 1895 1,020 acres
Accessible.
Site: Good growing site.
Density: 416 trees per acre; fir 16%; larch 34%;
Lodgepole pine 50%.
Potential Use: Ties, poles, sawlogs.
Remarks: Thrifty stand of lodgepole pine-fir-larch on
moderate slope. Good growing site. No apparent
defects. Light windfall.

Larch 1884 290 acres
Accessible.
Site: Fair growing site.
Density: 530 per acre; fir 41%; larch 41%; lodgepole
pine 18%.
Potential Use: Ties, cordwood, poles.
Remarks: Larch culled 50% because of buttrot, and poor
form. Fir limby, lodgepole pine cat faced.

Lodgepole Pine 1886 1,390 acres
Accessible. Lower edge of stand near road.
Site: Very good growing site.
Density: 672 trees per acre; lodgepole pine 34%; fir 61%;
larch 5%.
Potential Use: Ties, poles.
Remarks: Thrifty stand of lodgepole pine averaging 6 inches
to 8 inches with scattered fir-larch. No apparent
defects.

Fir 1886 - Scattered Larch-Fir 420 acres
Accessible.
Site: Good growing site.
Density: 1,150 trees per acre; fir 66%; larch 28%;
spruce 5%; lodgepole pine 3%.
Potential Use: Sawlogs.
Moderate to steep slope.

Lodgepole Pine 1880 1,140 acres
Remarks: Stand on easy slope. 4,000 to 4,500 feet elevation.
Lodgepole Pine 1910

Remarks: Steep slope, heavily burnt. Patches of rock and slides. Considerable deciduous ground cover mixed in with patchy lodgepole pine reproduction.

Compartment 280

Main Area

Larch-Fir-Spruce 9.8 M per acre  2,640 acres

Accessible.

Site: Fir 100; larch I; spruce 100; lodgepole pine 80.
Volume: Fir 23%; larch 33%; spruce 22%; lodgepole pine 6%; cedar 12%; balsam, hemlock, cottonwood and aspen 2%.
Diameters: Fir maximum 38 inches, average 16 inches.
Larch maximum 44 inches, average 18 inches.
Spruce maximum 24 inches, average 14 inches.
Cedar maximum 24 inches, average 14 inches.
Defsct: Fir - heartrot, ring shake, fire scars.
Larch - heartrot, ring shake, fire scars.
Spruce - fire scars, limbiness, spiral grain.
Cedar - buttrot, catface, crook.

Remarks: Good logging conditions. Easy to moderate slopes, good soil, medium windfall. Larch is quite defective, but all other species are comparatively clean. Most of the lodgepole pine is dying out. In general, larch and fir forms an upper story and spruce, cedar and lodgepole a lower story of mature. Sawlog and pulp stand.

Mature Areas

Larch 6.8 M per acre (Overstocked fir-larch spruce 1882)  140 acres

Accessible.

Site: Larch II; spruce 80; lodgepole pine 70.
Volume: Larch 95%; spruce 3%; lodgepole pine 4%.
Diameters: Larch maximum 34 inches, average 24 inches.
Defsct: Larch - crook, fire scars, buttrot, heartrot, dead top.

Remarks: See main type.

Fir - Spruce 20 M per acre  50 acres

Accessible.

Site: Good.
Volume: Fir 65%; spruce 22%; cedar 3%; and cottonwood 10%.

Larch 11 M per acre
Accessible.
Site: Fir 80; larch II; lodgepole pine 80.
Volume: Fir 9%; larch 9%; lodgepole pine 2%.
Diameters: Larch maximum 58 inches, average 18 inches.
Defects: Fire scars.
Remarks: Good logging conditions. Moderate slope, light windfall, no rock, medium underbrush. Larch better than usual.

Larch - Fir 14 M per acre
Accessible.
Site: Fir 70; larch II; spruce 100.
Volume: Fir 32%; larch 57%; spruce 4%; cedar 5%; other species 2%.
Diameters: Fir maximum 48 inches, average 22 inches.
Larch maximum 52 inches, average 22 inches.
Defects: Fir - buttrot, heartrot and ring shake.
Larch - buttrot, heartrot.
Remarks: See larch type above.

Fir - Larch 14 M per acre
Accessible.
Site: Fir 90; larch I; spruce 100.
Volume: Fir 60%; larch 22%; spruce 4%; cedar 12%; other species 2%.
Diameters: Fir maximum 50 inches, average 22 inches.
Larch maximum 24 inches, average 18 inches.
CEDAR maximum 22 inches, average 16 inches.
Defects: Fir and larch - buttrot, fire scars, ring shake.
CEDAR - buttrot, and pocket rot.
Remarks: See previous type.

Lodgepole Pine 3.5 M per acre
Accessible.
Site: Spruce 80; lodgepole pine 70.
Volume: Spruce 10%; lodgepole pine 84%; other species 6%.
Diameters: Spruce maximum 14 inches, average 12 inches.
Lodgepole pine maximum 14 inches, average 12 inches.
Defects: Limbyness, catface, poor form, spiral grain.
Lodgepole Pine - Spruce 6.1 M per acre

Accessible:
Site: Spruce 80; lodgepole pine 80.
Volume: Spruce 43%; balsam 9%; lodgepole pine 48%.
Diameters: Spruce maximum 22 inches, average 16 inches.
Balsam maximum 16 inches, average 14 inches.
Lodgepole pine maximum 18 inches, average 14 inches.
Defects: Catface, heartrot, limbiness, spiral grain.
Remarks: Fair logging conditions. Easy slopes, heavy reproduction, little windfall. Timber better than average for high elevations.

Spruce 4.1 M per acre
See compartment 267.

Spruce - Balsam 4.3 M per acre
An average stand, easy slopes, some rock, little underbrush.
Volumes: spruce 64%; balsam 32%; and lodgepole pine 4%.

Cedar - Spruce 16 M per acre

Accessible:
Site: Spruce 120.
Volume: Spruce 39%; balsam 17%; cedar 44%.
Diameters: Spruce maximum 24 inches, average 16 inches.
Balsam maximum 20 inches, average 14 inches.
Cedar maximum 26 inches, average 16 inches.
Defects: Heartrot in balsam, buttrot in cedar.
Remarks: Good logging conditions. Easy to moderate slope, no rock, little underbrush, medium to heavy windfall. Parts of this stand are quite decadent with 90% of spruce trees dead and down, in other areas the spruce is healthy mature. Throughout entire stand balsam and cedar 35% dead and down. Sawlog and pulp stand.

Other Areas

Throughout the whole of the lower two-thirds of the compartment are numerous immature lodgepole pine, balsam and spruce types (3,410 acres) from 1859 to 1919. Adjacent to the alpine area and on the height of land between the Okanagan and the Kettle Valley is some 590 acres of burn. To the north and also adjacent or near the alpine area are 890 acres of poorly stocked balsam-spruce immature, limby to ground and of no commercial value. The upper third of the compartment is entirely alpine, in all, approximately 7,500 acres.
Compartment 28D

Main Area

Lodgepole Pine 1878 3,810 acres
Accessible.
Site: Good.
Density: Approximately 2,500 lodgepole pines per acre.
Potential Use: Sawlog and pulp.
Remarks: Fair to good logging conditions. Moderate to steep slopes. Scattered rock outcrops and slides.

Mature Areas

Cottonwood - Spruce - Fir 7.9 M per acre, 25% Non-Commercial Cover, 25% Rock 220 acres
Accessible.
Site: Fir 80; larch II; spruce 80.
Volume: Fir 22%; larch 6%; spruce 25%; balsam 5%; cedar 16%; cottonwood 26%.
Diameters: Fir maximum 16 inches, average 14 inches.
Spruce maximum 24 inches, average 14 inches.
Cedar maximum 26 inches, average 16 inches.
Cottonwood maximum 28 inches, average 16 inches.
Defects: Catface, crook, limbyness, poor form.
Remarks: Good logging conditions. Valley flats, sour wet soil, heavy underbrush.

Larch - Fir 6.4 M per acre 250 acres
Accessible.
Site: Fir 90; larch II; spruce 80; lodgepole pine 70.
Volume: Fir 51%; larch 56%; spruce 4%; lodgepole pine 2%; cedar 7%.
Diameters: Fir maximum 26 inches, average 16 inches.
Larch maximum 40 inches, average 20 inches.
Defects: Fir - buttrot, heartrot.
Larch - buttrot.
Remarks: Fair logging conditions. Moderate to steep slopes, good soil, no underbrush.

Larch 15 M per acre 240 acres
Accessible.
Site: Fir 80; larch II; spruce 80; lodgepole pine 80.
Volume: Fir 7%; larch 77%; lodgepole pine 7%; other species 9%.
Diameters: Larch maximum 30 inches, average 18 inches.
Defects: Larch - catface, fire scar, buttrot.
Remarks: Good logging conditions. Moderate slopes, some rock, light reproduction, windfall light. Larch exceptionally sound.
Larch 10 M per acre 60 acres
See Compartment 28C.

Spruce - Cottonwood 9.3 M per acre 150 acres
See Compartment 28B.

Cottonwood - Spruce 8.7 M per acre 80 acres
See Compartment 28B.

Fir - Larch 6.0 M per acre 140 acres
See Compartment 28E.

Fir - Yellow Pine (Fir Cordwood) 4.2 M per acre 630 acres
Accessible.
Site: Yellow pine tall; fir 120.
Volume: Yellow pine 25%; fir 75%.
Diameters: Yellow pine maximum 24 inches, average 20 inches.
Fir maximum 24 inches, average 16 inches.
Defects: Heartrot, knots.
Remarks: Good logging conditions. Moderate slope; open, no rock, no windfall. Trees rather defective.

Other Areas

Lodgepole Pine - Fir 1888 1,260 acres
Accessible.
Site: Good.
Density: Fir 250 trees per acre approximately, Lodgepole pine 400 trees per acre approximately.
Potential Use: Sawlogs, pulp and ties.
Remarks: Good logging conditions. Moderate to steep slopes. Scattered rock outcrops and slides.

Other areas include small scattered patches of mature fir, larch, spruce and lodgepole pine, largely on good sites and in good condition. In the south on Lot 3737 is 150 acres of well stocked lodgepole pine - aspen 1888 and in the extreme north a non-commercial type of lodgepole pine, spruce and fir 1878 (610 acres).

Compartment 28E

Main Area

Fir 4.3 M per acre (Part Logged) 1,240 acres
Accessible. On Mission Creek highway.
Site: Yellow pine thrifty; fir 90; larch III; spruce 80; lodgepole pine 80.
Volume: Fir 83%; yellow pine 13%; lodgepole pine - larch - spruce 4%.
Diameters: Yellow pine maximum 30 inches, average 18 inches.
Fir maximum 32 inches, average 16 inches.
Defects: Fir - ring shake.
Remarks: Moderate southern slope. Stand too open, resulting in wind shake in fir. Practically no windfall, patchy fir reproduction. 2.1 trees per acre yellow pine removed, 24 inches average stump diameter and 1.4 fir trees per acre 22 inches diameter. Considerable fir cordwood along with fir sawlogs.

Mature Areas

Fir 11 M per acre
Accessible. Along side highway.
Site: Fir 120; larch II; spruce 60.
Volume: Fir 77%; larch 13%; cedar 5%; spruce 5%.
Diameters: Fir maximum 32 inches, average 18 inches.
Defects: Fir - ring shake.
Spruce - sound.
Cedar - buttrot.
Remarks: Good stand of timber in creek bottom. Trees removed 2.4 - fir - 30 inches stump diameter, and 3.2 - cedar - 22 inches diameter per acre.

Fir - Lodgepole Pine - Spruce 8.9 M per acre 1,050 acres
Accessible.
Site: Fir 100; spruce 80; lodgepole pine 80.
Volume: Fir 49%; spruce 22%; balsam 6%; lodgepole pine 23%.
Diameters: Fir maximum 40 inches, average 24 inches.
Spruce maximum 20 inches, average 14 inches.
Balsam maximum 16 inches, average 12 inches.
Lodgepole pine maximum 18 inches, average 12 inches.
Defects: Fir - shake, buttrot.
Spruce - sound.
Lodgepole pine - decadent in patches.
Remarks: Easy plateau country, 4,500 feet elevation.
Overstory of mature fir, thrifty understory of spruce - fir - lodgepole pine. Light windfall.

Yellow Pine - Fir 2.2 M per acre
Accessible.
Site: Yellow pine medium; fir 60.
Volume: Yellow pine 72%; fir 28%.
Diameters: Yellow pine maximum 34 inches, average 22 inches.
Defects: Yellow pine - large yellow pine badly fire scarred.
          Fir - sound (possible shake).
Remarks: Overstory of large yellow pine - fir partially
          fire damaged and an understory of thrifty yellow
          pine - fir on steep slope. Stand should be logged
          selectively, removing large yellow pine - fir.

Yellow Pine - Fir 2.7 M per acre  

Accessible.
Site: Yellow pine medium; fir 100; larch II; spruce 80;
      lodgepole pine 80.
Volume: Yellow pine 48%; fir 23%; larch 15%; spruce 8%;
      lodgepole pine 6%.
Diameters: Yellow pine maximum 30 inches, average 26 inches.
          Fir maximum 22 inches, average 14 inches.
Defects: Fir - crook.
          Larch - buttrot.
Remarks: Selection stand in valley bottom. Merchantable
          yellow pine should be logged.

Fir - Larch 2.6 M per acre (Part Logged  
1935-1959)  

Accessible.
Site: Fir 100; larch II.
Volume: 2.6 M per acre; fir 68%; larch 27%; lodgepole
      pine - aspen 5%.
Diameters: Fir maximum 26 inches, average 20 inches.
          Larch maximum 20 inches, average 16 inches.
Defects: Fir - conk, buttrot, fire scars.
          Larch - conk, buttrot, fire scars.
Remarks: Site poor, steep, and rocky. Trees removed
          2 - fir - 14 inches average stump diameter and
          15 - larch - 22 inches average diameter, per
          acre. Considerable cordwood and cull trees.

Fir 7.2 M per acre  

Accessible.
Site: Fir 90; larch II.
Volume: Fir 94%; larch 4%; lodgepole pine 2%.
Diameters: Fir maximum 40 inches, average 16 inches.
Defects: Fir - conk, buttrot.
          Larch - conk, buttrot.
Remarks: Thin soil on moderate slope. Patches of bed rock
          and talus. The quality of the fir is better than
          lower down the slope. Considerable fir cordwood.
Spruce - Fir 17.0 M per acre

Accessible.
Site: Fir 120; larch II; spruce 120; lodgepole pine 60.
Volume: Fir 41%; spruce 56%; larch - lodgepole pine 3%.
Diameters: Fir maximum 30 inches, average 18 inches.
Spruce maximum 24 inches, average 16 inches.
Defects: Larch - heartrot.
Remarks: Typical valley bottom stand of all age classes.

Fir - Spruce 7.7 M per acre

Accessible.
Site: Fir 120; spruce 120; lodgepole pine 90.
Volume: 7.7 M per acre; fir 59%; spruce 32%; lodgepole pine 6%; cedar - aspen 3%.
Diameters: Fir maximum 28 inches, average 16 inches.
Spruce maximum 20 inches, average 14 inches.
Defects: Fir - crook, catface, buttrot.
Spruce - buttrot.
Remarks: Stand part logged for cedar poles and large cedar along creek.

Fir - Larch 8.0 M per acre

Accessible.
Site: Fir 100; larch II; spruce 80.
Volume: Fir 68%; larch 24%; spruce 8%.
Diameters: Fir maximum 32 inches, average 16 inches.
Larch maximum 30 inches, average 16 inches.
Spruce maximum 16 inches, average 12 inches.
Defects: Fir - crook, limby, shake.
Larch - conk.

Lodgepole Pine - Spruce 13.4 M per acre

Accessible. This stand is in an isolated position. Any road up Darley Creek would have to pass through a rugged canyon before getting into the rolling plateau country at the head of the creek.
Site: Spruce 80; lodgepole pine 80.
Volume: Spruce 41%; lodgepole pine 47%; balsam 12%.
Diameters: Spruce maximum 30 inches, average 16 inches.
Balsam maximum 26 inches, average 14 inches.
Lodgepole pine maximum 20 inches, average 14 inches.
Defects: Spruce - pitch scars.
Balsam - bad catface, buttrot.
Lodgepole pine - catface, school marms.
Remarks: Stand on easy sloping country, 4,500 feet to 5,500 feet elevation. Lodgepole pine - balsam becoming decadent. Light windfall, balsam reproduction. Good growing site, deep soil.
Spruce - Cedar 16 ft per acre, Part Logged 1937
Accessible.
Site: Fir 90; larch II; spruce 120.
Volume: Fir 20%; larch 7%; spruce 40%; cedar 33%.
Diameters: Fir maximum 26 inches, average 20 inches.
Spruce maximum 28 inches, average 14 inches.
Cedar maximum 24 inches, average 14 inches.
Defects: None apparent.
Remarks: Creek bottom type of stand. Considerable windfall, and dense undergrowth. 15 trees logged off per acre.

Spruce - Fir - Cottonwood 22 ft per acre, Part-Logged 1938
Accessible.
Site: Fir 100; spruce 100.
Volume: Fir 29%; spruce 37%; cottonwood 25%; cedar 9%.
Diameters: Fir maximum 26 inches, average 22 inches.
Spruce maximum 32 inches, average 18 inches.
Cedar maximum 18 inches, average 14 inches.
Cottonwood - few large trees.
Defects: Cedar - buttrot.
Remarks: Good stand of sawlog timber remains after selective cedar pole logging. 37 poles removed per acre. 70% of stumps show buttrot. Most felled Cedars long-butted 10 feet to 12 feet.

Fir 4.5 ft per acre
Accessible.
Site: Fir 120; larch II; spruce 80.
Volume: Fir 85%; larch 10%; spruce 5%.
Diameters: Fir maximum 30 inches, average 16 inches.
Defects: Fir - fire scars, some limbiness and shake.
Remarks: Mature stand of fir. Undergrowth and windfall varies from heavy near the creek bottom to light on the benches back from the creek. Fir suitable for sawlogs, ties, piling and cordwood.

Fir (Fir Cordwood) 2.9 ft per acre
Remarks: Poor stand of fir badly damaged by fire. About 8 ft per acre of cordwood along with possible sawlog timber.

Cedar - Fir 10.4 ft per acre, Part-Logged 1938
Remarks: Fir 3,670 ft; spruce 2,180 ft; cedar 4,560 ft per acre. Cull for cedar - fir 40%. Site fir 120; spruce 100. Suitable for fir sawlogs and ties, cedar post and poles. Dense cedar understory. 7 cedar stumps per acre, average diameter 18 inches.
Cedar - Fir 9.7 M per acre 100 acres
Accessible.
Site: Fir 120; spruce 100.
Volume: Fir 26%; spruce 5%; cedar 69%.
Diameters: Fir maximum 24 inches, average 18 inches.
Cedar maximum 28 inches, average 16 inches.
Defects: Cedar - butt and heartrot.
Remarks: Typical valley bottom cedar. Suitable for shingle bolts, posts, poles.

Fir 6.0 M per acre 90 acres
Accessible.
Site: Fir 100; larch II; spruce 100; lodgepole pine 70.
Volume: Fir 69%; larch 14%; cedar 10%; spruce - lodgepole pine 7%.
Diameters: Fir maximum 44 inches, average 20 inches.
Larch maximum 28 inches, average 16 inches.
Cedar maximum 20 inches, average 12 inches.
Defects: Fir - fire scars.
Larch - very conky.
Remarks: Overstock 8,000 per acre. Cedar 50%; spruce - fir 50%.

Fir 2.1 M per acre 80 acres
Remarks: Poor stand of fir on moderate slope. Ring shake and fire damage. Cull factor used 60%.

Spruce 4.9 M per acre 100 acres
Accessible.
Site: Fir 80; spruce 80; lodgepole pine 70.
Volume: Spruce 82%; balsam 9%; lodgepole pine 6%; fir 3%.
Diameters: Spruce maximum 18 inches, average 14 inches.
Defects: Fir - fire scars.
Spruce - some fire scars.
Balsam - heartrot, conk.
Remarks: 50% of balsam and 20% of lodgepole pine dead.

Other Areas

Lodgepole Pine 1899 1,820 acres
Accessible.
Site: Lodgepole pine 60.
Density: Per acre, 1,000 lodgepole pine, average diameter 3 inches, average height 40 feet. 250 spruce and 200 balsam, average diameter 0 inches, average height 10 feet.
Remarks: Flat plateau country, 4,600 feet elevation.
Fir-Larch 1880
Accessible.
Site: Fir 60; lodgepole pine 70.
Density: 1,200 trees per acre, fir 59%; spruce 32%;
lodgepole pine 9%.
Potential Use: Fir sawlogs.
Remarks: Mixed stand of old decadent fir-lodgepole pine
with a thrifty stand coming in. Site on lower
portion of the stand poor, but on higher eleva-
tions site much better.

Lodgepole Pine 1870
Accessible.
Site: Lodgepole pine 70.
Density: 600 trees per acre, fir 65%; spruce 4%;
lodgepole pine 20%; aspen 11%.

Fir-Lodgepole Pine 1888
Accessible.
Site: Fir 70; lodgepole pine 60.
Density: Per acre, 110 fir, average diameter 8 inches,
average height 50 feet, and 60 lodgepole pine
average diameter 8 inches, average height 40 feet.
Remarks: Fair fir-lodgepole pine stand on moderate to
steep slope.

Lodgepole Pine 1878
Remarks: 1,400 lodgepole pine per acre, average diameter
6 inches. Site 70. Easy to moderate slope,
good soil, good growing site. No spruce-balsam
regeneration. Light windfall.

Lodgepole Pine 1901
Remarks: 600 lodgepole pine, average diameter 7 inches,
average height 60 feet and 50 fir average
diameter 4 inches, average height 20 feet, per acre.

Lodgepole Pine 1876
Remarks: 850 lodgepole pine, average diameter 8 inches,
average height 85 feet, per acre. No spruce-balsam
regeneration. Very little windfall.

Fir 1884
Remarks: 2,000 spruce, average diameter 1 inch, average
height 10 feet, 10,000 cedar, average diameter 0
inches, average height 4 feet, fir 200 average
diameter 6 inches, average height 40 feet, per
acre. Steep rocky site.
Lodgepole Pine 1936


**Compartment 28F**

**Main Area**

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Density</th>
<th>Acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fir-Larch 5.2 M per acre</td>
<td>1,630</td>
<td></td>
</tr>
<tr>
<td>Accessible. Logging roads into area.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Site: Fir 80; larch II.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Volume: Fir 53%; larch 47%.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diameters: Fir maximum 34 inches, average 18 inches. Larch maximum 36 inches, average 18 inches.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Considerable fir cordwood.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Defects: Fir - fire scars, buttrot, conk. Larch - conk, fire scars.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remarks: Slopes easy, good soil, good site. Stand has suffered from ground fires, and is over mature. Conk, defoliators, and poorly formed trees produced considerable cull and dead trees. Cordwood cutting would improve stand.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Mature Areas**

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Density</th>
<th>Acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fir 6.8 M per acre, Part-logged 1937-38</td>
<td>160</td>
<td></td>
</tr>
<tr>
<td>Accessible. Logging roads into area.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Site: Fir 90; larch II; spruce 100.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Volume: Fir 79%; larch 11%; spruce 11%.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diameters: Fir maximum 36 inches, average 16 inches. Larch maximum 30 inches, average 14 inches. Spruce maximum 20 inches, average 14 inches.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Defects: Fir - sound indications of shake. Remarks: Thrifty stand on easy slope and good soil, 4.8 fir, 18 inches average diameter, per acre logged.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Density</th>
<th>Acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fir-Larch 5.0 M per acre, 1935-37</td>
<td>290</td>
<td></td>
</tr>
<tr>
<td>Accessible.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Site: Fir 90; larch II.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Volume: Fir 66%; larch 34%.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Other Areas**

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Density</th>
<th>Acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fir Selectively Logged</td>
<td>180</td>
<td></td>
</tr>
<tr>
<td>Accessible.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Site: Fir 80.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Density: Fir 460 trees per acre, up to 26 inches diameter. Fir cordwood 30 trees per acre, up to 34 inches diameter.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Potential Use: Sawlogs and cordwood.
Remarks: Easy slope, good site. Trees removed 2 yellow pine, average diameter 28 inches, and 20 fir, average diameter 24 inches, per acre. Mostly cull trees left. Satisfactory restocking.

Yellow Pine-Fir 2.2 M per acre
Accessible.
Site: Yellow pine N; fir 70.
Volume: Yellow pine 55%; fir 45%.
Diameters: Yellow pine maximum 26 inches, average 24 inches.
Fir maximum 30 inches, average 20 inches.
Defects: Yellow pine - buttrot, from fire scars.
Fir - buttrot, from fire scars.

Larch-Fir 7.8 M per acre, Part-Logged 1931
Accessible. Logging roads into area.
Site: Fir 70; larch II.
Volume: 7.8 M per acre, fir 35%; larch 65%.
Diameters: Fir maximum 36 inches, average 20 inches.
Larch maximum 54 inches, average 16 inches.
Defects: Fir - heartrot, conk.
Larch - heartrot, conk.
Remarks: Slopes easy to moderate. Part logged 8 years ago, scattered burns before and after logging. Satisfactory restocking. Parts of area could be used for grazing.

Spruce 3.1 M per acre
Accessible.
Site: Spruce 120; lodgepole pine 80.
Volume: Spruce 85%; balsam 5%; lodgepole pine 9%.
Diameters: Spruce maximum 24 inches, average 14 inches.
Balsam maximum 22 inches, average 12 inches.
Lodgepole pine maximum 18 inches, average 14 inches.
Defects: Spruce - catface.
Balsam - split, conk, rot.
Lodgepole pine - decadent.
Remarks: Stand on rolling plateau country. Good soil.
Balsam-lodgepole pine dying out. Spruce thrifty.
Yellow Pine-Fir 1.5 M per acre, Part Logged  610 acres
Accessible. Very accessible to Mission Creek road.
Site: Yellow pine medium; fir 70%.
Volume: Yellow pine 59%; fir 41%. Considerable fir cordwood.
Diameters: Yellow pine maximum 24 inches, average 16 inches.
Fir maximum 20 inches, average 16 inches.
Defects: Yellow pine - fire scar, buttot.
Fir - fire scar, limby, shake.
Remarks: Slopes easy. Trees removed 3.8 yellow pine,
average diameter 24 inches, and 1 fir, average
diameter 24 inches per acre.

Other Areas

Lodgepole Pine 1904, Scattered Fir-Larch-
Spruce Seed Trees  380 acres

Larch-Lodgepole Pine 1926  380 acres
Density: 1,350 per acre, yellow pine 38%; larch 62%.
Remarks: Slopes easy to moderate. This area heavily burned in 1926. Small scattered patches of
logging. Logging roads through the area.

Lodgepole Pine 1890  1,000 acres
Remarks: Well stocked lodgepole pine stand with scattered
fir-spruce-larch-aspen. Rolling plateau country.
New logging road through the area. Good site.

Compartment 286

Main Area

Spruce 13 M per acre  3,170 acres
Accessible.
Site: Spruce 80-100.
Volume: Fir 1%; spruce 85%; balsam 6%; lodgepole pine 8%.
Diameters: Spruce maximum 40 inches, average 18 inches.
Remarks: This type includes timber sale X9696, held by the
Penticton Sawmills and extends west and south in
an area of about 300 acres. The timber is trucked
to Myra and loaded on railroad cars.
Mature Areas

Spruce 7.5 M per acre 570 acres
This volume is estimated from aerial photographs. The timber in this area extends south from the southeast corner of the sale and has another block east of this. Separating the two blocks is 400 acres of spruce-lodgepole pine 4.0 M per acre. This is small timber. South of these types there are 800 acres of small poor spruce 2.5 M per acre.

Spruce 6.0 M per acre 890 acres
This type of small spruce occurs west of X9696 on Pooley Creek. It is a poor logging chance.

Spruce 5.4 M per acre 220 acres
This type at the north end of X9696 is a patch of smaller spruce which should be logged with the rest of the sale as it is adjacent to the road.

Other Areas

Spruce Logged 1928-39 590 acres
This area has been logged at the rate of approximately 800 M per year or about 55 acres per year.

Slash has been disposed by piling and burning over the whole area, but when this proved too costly only the slash along the roads was burned. Windfall in the logging has been very severe creating a serious hazard. Except in the spots burned by the slash piles where spruce seedling are establishing themselves, the reproduction appears to be approximately the same as in the unlogged stands.

Lodgepole Pine 1931 2,890 acres
This area has restocked since the fire in 1931. The former stand was lodgepole pine of various age classes. There are a large amount of windfall and standing snags.

Lodgepole Pine 1873 12,210 acres
Large area of lodgepole pine with a small amount of spruce and balsam understory coming in.

Most of the remaining areas are immature lodgepole pine of various age classes.
Compartment 29H

Main Area

Larch-Fir 4.9 M per acre
Accessible.
Site: Fir 90; larch II; lodgepole pine 80.
Volume: Fir 37%; larch 48%; lodgepole pine 15%.
Diameters: Fir maximum 24 inches, average 16 inches.
Larch maximum 34 inches, average 18 inches.
Lodgepole pine maximum 14 inches, average 12 inches.
Defects: Fire scars, buttrot, crook, catface, buttrot.
Remarks: Fair to good logging conditions. Rock outcrops, moderate to steep slopes, medium windfall. Sawlog and cordwood stand.

Mature Areas

Yellow Pine - Fir 3.4 M per acre
See compartment 32.

Spruce 3.7 M per acre
Accessible.
Site: Fir 100; spruce 80; lodgepole pine 80.
Volume: Fir 8%; spruce 67%; lodgepole pine 25%.
Diameters: Spruce maximum 20 inches, average 14 inches.
Lodgepole pine maximum 14 inches, average 12 inches.
Defects: Lodgepole pine - catface.

Fir Cordwood (Fir) 0.9 M per acre
Accessible.
Site: Fir 90.
Volume: Fir 100%.
Remarks: Stand largely cordwood, rough terrain, rocky, poor soil. Area loggable.

Spruce-Fir 8.9 M per acre
Accessible.
Site: Fir 90; larch II; spruce 100.
Volume: Fir 38%; larch 9%; spruce 53%.
Diameters: Fir maximum 28 inches, average 16 inches.
Larch maximum 24 inches, average 18 inches.
Lodgepole pine maximum 28 inches, average 16 inches.
Defects: Catface, crook, limbyness, buttrot, heartrot.
Remarks: Good logging conditions. Easy slopes, good soil, heavy windfall. Lodgepole pine has largely died out in this area.
In Sections 29 and 28 of Township 27 are several mature types of yellow pine, fir and larch growing on poor steep sites. Much of the timber is limby, defective and suitable largely for cordwood.

Other Areas

**Yellow Pine-Fir Selectively Logged**

<table>
<thead>
<tr>
<th>Accessible</th>
<th>900 acres</th>
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</thead>
<tbody>
<tr>
<td>Site: Good</td>
<td></td>
</tr>
<tr>
<td>Density: Yellow pine 900 trees per acre. Fir 350 trees per acre.</td>
<td></td>
</tr>
<tr>
<td>Potential Use: Sawlogs and cordwood.</td>
<td></td>
</tr>
<tr>
<td>Remarks: Excellent logging conditions. Gentle slopes, little rock. This area recommended as farmer’s woodlot.</td>
<td></td>
</tr>
</tbody>
</table>

**Yellow Pine-Fir Selectively Logged**

<table>
<thead>
<tr>
<th>Accessible</th>
<th>230 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site: Good</td>
<td></td>
</tr>
<tr>
<td>Density: Yellow pine 180 trees per acre. Fir 350 trees per acre.</td>
<td></td>
</tr>
<tr>
<td>Potential Use: Cordwood and sawlogs.</td>
<td></td>
</tr>
<tr>
<td>Remarks: Excellent logging conditions. Easy slopes, little rock.</td>
<td></td>
</tr>
</tbody>
</table>

**Spruce-Fir-Larch Selectively Logged**

<table>
<thead>
<tr>
<th>Accessible</th>
<th>70 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site:</td>
<td></td>
</tr>
</tbody>
</table>

See compartment 32.

Other areas include 400 acres of immature lodgepole pine in the extreme northwest of the compartment and numerous small patches of selectively logged fir and yellow pine scattered throughout the valley bottom and lower slopes. Both these major groups are on fair to good sites. Also to be found are 860 acres of scrub, 3,190 acres of open range, and 3,460 acres of cultivated land.

Compartment 28 I

**Main Area**

**Spruce 4.1 M per acre**

<table>
<thead>
<tr>
<th>Accessible</th>
<th>1,800 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site: Spruce 80.</td>
<td></td>
</tr>
<tr>
<td>Volume: Spruce 90%; balsam 10%.</td>
<td></td>
</tr>
<tr>
<td>Diameters: Spruce maximum 22 inches, average 16 inches. Balsam maximum 16 inches, average 14 inches.</td>
<td></td>
</tr>
</tbody>
</table>
Defects: Balsam - frost cracks, heartrot, spiral grain.

Remarks: Fair logging conditions. Flats and easy slopes, little underbrush, medium windfall. This type is on the border line of becoming alpine as far as the mature of the timber is concerned. It has many double leaders and much spiral grain. To log this area would require a very long haul, down to Kelowna. Pulp stand.

Mature Areas

Spruce-Lodgepole Pine-Balsam 3.2 M per acre  960 acres
See compartment 290.

Lodgepole Pine-Spruce 4.3 M per acre  110 acres
Accessible.
Site: Spruce 80; lodgepole pine 80.
Volume: Spruce 22%; balsam 9%; lodgepole pine 70%.
Diameters: Spruce maximum 14 inches, average 12 inches.
Lodgepole pine maximum 14 inches, average 12 inches.
Defects: Spruce - limby, catface, forked top.
Balsam - heartrot, limby.
Lodgepole pine - heartrot.
Remarks: See main area.

Other Areas

In the west and south of the compartment are 1,520 acres of well stocked immature lodgepole pine and spruce. The rest of the lower elevations are covered with non commercial lodgepole pine, spruce and balsam. These stands are poorly stocked, limby to the ground and have a dense undergrowth of alder and brush. Total area of such types is 5,030 acres. The upper elevations are entirely alpine - an area of approximately 23,000 acres.

Compartment 29A

Main Area

Lodgepole Pine-Spruce 3.5 M per acre  2,440 acres
Accessible.
Site: Fir 100; spruce 80; lodgepole pine 70.
Volume: Fir 11%; spruce 37%; balsam 6%; lodgepole pine 46%.
Diameters: Fir maximum 20 inches, average 16 inches.
Spruce maximum 18 inches, average 14 inches.
Balsam maximum 16 inches, average 12 inches.
Lodgepole pine maximum 18 inches, average 14 inches.
Defects: Spruce - some conk.  
Balsam - conk, buttrot.  
Lodgepole pine - buttrot, catface.

Remarks: Easy sloping country, 4,300 feet to 5,300 feet elevation. Mainly good soil and growing site, well watered, but with occasional patches of rocky soil. Lodgepole pine decadent with an average of 27 cull and dead trees per acre. Heavy windfall throughout the area. Reproduction 3% lodgepole pine, 6% spruce, 91% balsam.

Mature Areas

Fir 22 M per acre
Accessible: On Belgo Creek road.  
Site: Fir 100; spruce 80.  
Volume: Fir 68%; spruce 5%; cedar 16%; cottonwood 11%.  
Diameters: Fir maximum 32 inches, average 22 inches.  
Spruce maximum 16 inches, average 14 inches.  
Cedar maximum 32 inches, average 18 inches.  
Cottonwood maximum 30 inches, average 26 inches.  

Defects: Fir - slight crock.  
Cedar - limby, buttrot.

Remarks: Good stand of fir sawlogs in draw. Cedar poles taken out farther up the creek.

Fir-Spruce 12 M per acre
Accessible: Road up Belgo Creek goes through the stand.  
Long truck haul.

Site: Fir 90; spruce 100; lodgepole pine 70.  
Volume: Fir 58%; spruce 28%; lodgepole pine 14%; cedar 2%.  
Diameters: Fir maximum 32 inches, average 18 inches.  
Spruce maximum 20 inches, average 14 inches.  
Lodgepole pine maximum 18 inches, average 14 inches.

Defects: Fir - pitch shake, buttrot, some fire scars.  
Spruce - limby.  
Lodgepole pine - buttrot.  
Cedar - decadent, some badly catfaced.

Remarks: Mixed stand of mature and over mature fir-spruce and scattered lodgepole pine-cedar-larch. Windfall and spruce-balsam-cedar reproduction are heavy near the creek bottom. Moderate windfall and light fir-lodgepole pine-larch reproduction on the side hills.
Fir-Larch 26 M per acre

Site: Fir 90; larch II.
Volume: Fir 81%; larch 19%.
Diameters: Fir maximum 36 inches, average 22 inches.
Larch maximum 34 inches, average 24 inches.
Defects: Fir - pitch shake, catface, fire scars.
Larch - swelled butts, fire scars.
Remarks: Sawlog stand of over mature fir-larch, partially fire scarred. Light windfall. Stand should be logged soon, so as to minimize loss due to conk and butrotch in fire scarred trees. Good logging conditions but long truck haul.

Lodgepole Pine-Spruce 9.9 M per acre

Site: Fir 90; spruce 100; lodgepole pine 80.
Volume: Fir 9%; spruce 32%; lodgepole pine 51%;
cedar 8%.
Defects: Spruce - catface, limby near creek.
Cedar - catface, limby.
Remarks: Thrifty stand in creek bottom. Trees too limby near edge of creek.

Cedar-Spruce-Fir 30 M per acre

Remarks: Readily accessible stand made up of fir 7 M, spruce 8 M, cedar 10 M, cottonwood 4.5 M, per acre.

Other Areas

Lodgepole Pine 1878


Lodgepole Pine 1905

Compartment 29B

Main Area

Lodgepole Pine 1886 4,360 acres
Flat to rolling country, mostly stocked fully in lodgepole pine. Scattered areas throughout are rather sparsely but still satisfactorily stocked. Very little spruce or balsam is to be found. Rock outcrops are fairly common and rocky soil is prevalent on all higher elevations.

Mature Areas

Spruce 4.5 M per acre 620 acres
Accessible.
Site: Spruce 80; lodgepole pine 70.
Volume: Spruce 76%; balsam 9%; lodgepole pine 15%.
Diameters: Spruce maximum 24 inches, average 16 inches.
Balsam maximum 18 inches, average 14 inches.
Lodgepole pine maximum 16 inches, average 12 inches.
Defects: Spruce - buttrot, heartrot.
Balsam - buttrot, heartrot.
Lodgepole pine - buttrot, heartrot.
Remarks: Good logging conditions. Gentle slopes and flats. This type could be logged in conjunction with Postill Lake areas or with Ideal Lake areas. The spruce although small is clean and without much defect - useful for both sawlogs and pulpwood.

Spruce 4.1 M per acre 120 acres
See compartment 33B.

Spruce-Lodgepole Pine 6.9 M per acre 400 acres
See compartment 33B.

Other Areas

Lodgepole Pine 1905 2,960 acres
Accessible.
Site: Good.
Remarks: Area is of much the same nature as the main area of the compartment. Scattered throughout are subtypes of aspen-lodgepole pine 1905 (260 acres) and lodgepole pine - spruce 1880 (40 acres) and swamps and unsatisfactorily stocked areas (60 acres). This area should make rapid progress.
The rest of the compartment includes lodgepole pine and spruce immature both fully and sparsely stocked, 100 acres of mature spruce and lodgepole pine and 420 acres of swamp.

**Compartment 29C**

**Main Type**

**Spruce 4.8 M per acre**

Accessible: Fair road to within half a mile of the area. Extremely long truck haul to Kelowna.

Site: Spruce 80; lodgepole pine 100.

Volume: Spruce 61%; balsam 14%; lodgepole pine 25%.


Remarks: Extensive stand of thrifty spruce in decadent, beetle infested balsam-lodgepole pine. Easy to moderate slopes, well watered, plateau country. Good soil. 4,200 feet to 5,200 feet elevation. Stand contains large number of cull and dead balsam-lodgepole pine. Spruce small for logging purposes. Light windfall, reproduction predominantly balsam.

**Mature Areas**

**Spruce-Lodgepole Pine-Balsam 3.2 M per acre**

Accessible: A road could be built into the area, but the timber is not good enough to make it commercially feasible.

Site: Spruce 60; lodgepole pine 80.

Volume: Spruce 58%; balsam 21%; lodgepole pine 21%.

Diameters: Spruce maximum 26 inches, average 14 inches. Balsam maximum 20 inches, average 12 inches. Lodgepole pine maximum 20 inches, average 14 inches.

Remarks: Decadent stand of balsam-spruce-lodgepole pine. Large number of cull and dead balsam. Most of lodgepole pine has died due to suppression and beetle infestation. Spruce too sparsely distributed and too suppressed. Rolling plateau country, well watered, about 5,200 feet elevation. Windfall varies from light to heavy, reproduction mainly balsam.

Other Areas

Lodgepole Pine 1868
Accessible.
Site: Good growing site.
Density: 1,500 per acre. Lodgepole pine 30%; balsam 13%; spruce 57%.
Potential Use: Sawlogs.
Remarks: Rolling plateau country, 4,200 to 4,500 feet elevation. Thrifty stand of lodgepole pine with understory of spruce-balsam.

Compartment 30A

Main Area

Yellow Pine—Selectively Logged
Accessible.
Site: Medium.
Density: Yellow pine 400 trees per acre exclusive of zeros with diameters well represented up to 18 inches. Fir 25 trees per acre exclusive of zeros.
Potential Use: Sawlogs and box lumber.
Remarks: This area is an ideal site for yellow pine, is situated on benches and easy slopes. Most of the logging is very old but in some places a second cut has been taken recently. On some privately held areas the advance growth has been cut for fuel. An average of 18 trees per acre have been logged.

Mature Areas

Fir-Larch 4.6 M per acre
Accessible.
Site: Fir 60; larch II.
Volume: Fir 50%; larch 50%.
Diameters: Fir maximum 30 inches, average 18 inches. Larch maximum 30 inches, average 18 inches.
Defects: Fir - limbyness, and crook. 
Larch - buttrot and limbyness.

Remarks: This area is rough and broken, and the timber of poor quality. The area to the north has been logged.

**Fir-Larch 6.6 M per acre, Part-Logged 1933-35**
270 acres

*Accessible.*

Site: Fir 180; larch II.

Volume: Fir 71%; larch 25%; yellow pine 4%.

Diameters: Fir maximum 22 inches, average 16 inches. 
Larch maximum 18 inches, average 16 inches.

Defects: Fir - limbyness, crook and fire scar. 
Larch - limbyness and fire scar.

Remarks: This area has been logged of 15 trees per acre, but there is still a considerable volume left on the area.

**Fir-Larch 4.5 M per acre**
1,130 acres

This is a large area of timber of poor quality. The topography is very rough and broken.

**Other Areas**

**Yellow Pine-Fir Selectively Logged**
980 acres

Site: Yellow pine medium; fir 60.

Density: Yellow pine 420 trees per acre, mostly zeros but well distributed up to 14 inches. 
Fir 275 trees per acre, mostly zeros.

Potential Use: Sawlogs, box lumber and fir cordwood.

Remarks: An average of 4 fir and 12 yellow pine trees per acre logged from the area. The area has been logged twice. Easy slopes.

**Fir Selectively Logged**
700 acres

Site: Yellow pine medium; fir 80.

Density: Yellow pine 5 trees per acre. 
Fir 415 trees per acre, with diameters well distributed.

Potential Use: Sawlogs and cordwood.

Remarks: There was considerable mature yellow pine on the area, but very little reproduction. 
An average of 10 yellow pine and 3 fir per acre have been logged. The fir is very rough in this area.
Fir-Yellow Pine Selectively Logged 1934-38  900 acres  
Site: Yellow pine tall; fir 80.  
Density: Yellow pine 85 trees per acre.  
Fir 460 trees per acre, mostly zeros.  
Potential Use: Sawlogs and cordwood.  
Remarks: An average of 7 yellow pine and 6 fir per acre logged from the area. Easy slopes.  

Fir-Yellow Pine Selectively Logged 1932-39  1,650 acres  
Site: Yellow pine medium; fir 60.  
Density: Yellow pine 255 trees per acre, with diameters well distributed up to 18 inches d.b.h.  
Fir 670 trees per acre, mostly zeros.  
Potential Use: Sawlogs and fir cordwood.  
Remarks: This area is situated just beyond the cultivated area near Priest Creek. The fir in this area is very poor. An average of 10 yellow pine and 8 fir per acre logged between 1932 and 1939. Easy slopes.  

Fir Selectively Logged 1927-39  720 acres  
This area is behind the above type. There is some scattered yellow pine. The fir is poor quality.  

There are many small areas of miscellaneous types in this compartment. There is a band of lodgepole pine 1861 along the railroad at the top end of the compartment.  

Compartment 308  
Main Area  

Lodgepole Pine 1931  7,560 acres  
A large area burned in 1931 and restocking well with lodgepole pine. There is a very serious hazard in standing and windfallen snags. The former stand was lodgepole pine 1881 and 1901, and some mature lodgepole pine and spruce.  

Mature Areas  

Spruce-Lodgepole Pine 6.0 M per acre  400 acres  
Spruce-Lodgepole Pine 6.0 M per acre  40 acres  
Spruce-Lodgepole Pine 6.0 M per acre  880 acres  
These areas at the back end of Bellevue Creek escaped the burn in 1931. The trees are suitable for pulp only at the present time as they are of mostly in the small diameter classes.
Fir-Larch 4.5 M per acre  
360 acres
See compartment 30A. This type is scattered along the railroad in small patches.

Other Areas

Lodgepole Pine 1881  
1,710 acres
Large area of well stocked lodgepole pine with an understory of spruce and balsam. There are also numerous patches of this type throughout the main area.

Compartment 31

Main Area

Yellow Pine (Fir Cordwood) Selectively Logged 2,150 acres
Accessible.
Site: Yellow pine short.
Density: Yellow pine 220 trees per acre.
  Fir cordwood 270 trees per acre.
Potential Use: Sawlogs and cordwood.
Remarks: Excellent logging chance. Gentle slopes, broken rocky topography. Much of the area has been logged extensively more than once. Cut in trees per acre: yellow pine 7.1 and fir 2.2 average diameters 20 inches and 18 inches respectively. Yellow pine rather defective when mature. Fir limby and ring shaken throughout entire area. Some beetle infestations in parts.

Mature Areas

Yellow Pine (Fir Cordwood) 1.8 M per acre  250 acres
Accessible.
Site: Yellow pine medium.
Volume: Yellow pine 100%.
Diameters: Yellow pine maximum 30 inches, average 16 inches.
Defects: Yellow pine - fire scar, crook, limbiness.
Remarks: Good logging conditions. Rocky broken country.
Yellow Pine 1.2 M per acre
Accessible.
Site: Yellow pine medium.
Volume: Yellow pine 100%.
Diameters: Yellow pine maximum 24 inches, average 18 inches.
Defects: Yellow pine - fire scars, crock, limbyness.
Remarks: Good logging conditions. Steep slopes, rock. Timber should be yarded or rolled to lake.

Other Areas

Yellow Pine SelectivelyLogged
Accessible.
Site: Yellow pine short.
Density: Yellow pine 740 trees per acre.
Fir cordwood 10 trees per acre.
Potential Use: Sawlogs.
Remarks: Excellent logging conditions. Easy slopes and flats - little rock. Large part of the area has been logged more than once. Most of the mature yellow pine trees standing are old suppressed individuals.

Yellow Pine, Logged and Burned 1931
Accessible.
Site: Good.
Density: Yellow pine 10 trees per acre.
Remarks: This area has little chance of satisfactorily restocking for many years. Much of the type is grown up in dense mountain balm.

Yellow Pine, Logged and Burned 1931
Accessible.
Site: Good.
Density: Yellow pine and fir 15 trees per acre.
Remarks: Like the type above this area has a poor chance to restock rapidly, but it will do so as the present stand is largely composed of trees 5 inches to 18 inches in diameter. Mountain balm and mullinweed cover much of the area.

Yellow Pine Logged
This area has been very heavily logged - present stocking is 16 yellow pines to the acre. Former stand was quite dense.
Yellow Pine, Burn 1931-32
130 acres
This area has a fairly good chance to restock but it is on a poor rocky site. Present stocking 20 trees per acre – all yellow pine.

Yellow Pine (Fir Cordwood) Logged and Burned 1921
250 acres
This area is rough, rocky with occasional steep slopes. Occasional small fir cordwood trees and decadent yellow pine are to be found throughout, but there is little reproduction.

Yellow Pine, Selectively Logged, Semi-Open
Range 380 acres
This area is rather rough and rocky. Scattered young yellow pine – few scattered stumps.

Yellow Pine Selectively Logged, Semi-Open
Range 120 acres
Rolling country – scattered rock. Yellow pine 150 trees per acre, largely 0, 2 and 4 inch diameters 10 stumps per acre.

Compartment 32

Main Area

Fir 5.6 M per acre, Logged for Cedar Poles
1,000 acres
Accessible.

Site: Yellow pine tall; fir 90; larch 11; spruce 100; lodgepole pine 80.

Volume: Yellow pine 3%; fir 72%; larch 1%; spruce 10%; lodgepole pine 4%; cedar 4%.

Diameters: Yellow pine maximum 30 inches, average 22 inches. Fir maximum 30 inches, average 20 inches. Spruce maximum 14 inches, average 12 inches.

Defects: Ring shake, crock, fire scar, heartrot and buttrot.

Remarks: Good logging conditions. Moderate slopes, scattered rock, medium windfall. Timber thrifty to decadent. Cut in trees per acre: fir 0.2, average diameter 40 inches, larch 0.2, average diameter 36 inches and cedar 16, average diameter 12 inches.
Mature Areas

Lodgepole Pine-Fir 3.5 M per acre 290 acres
Accessible.
Site: Good.
Remarks: Good logging conditions. Moderate slopes.
Stand thrifty to mature and in good condition.
Volumes: fir 29%; spruce 14% and lodgepole
pine 57%. Volumes estimated.

Larch-Fir 4.3 M per acre, Part-Logged 250 acres
Accessible.
Site: Fir 80; larch II.
Volumes: Fir 46%; larch 46%; cedar 6%.
Diameters: Fir maximum 40 inches, average 26 inches.
Larch maximum 30 inches, average 20 inches.
Defects: Larch - heartrot, buttrot.
Cedar - buttrot.
Remarks: Good logging conditions. Moderate slopes.
Larch has considerably more buttrot than
heartrot. Cut - larch 0.66 trees per acre.

Fir 9.1 M per acre, Logged for Cedar Poles 80 acres
Accessible.
Site: Fir 80.
Remarks: Good logging conditions. Creek bottom type
in fair soil. Fir 79%; cedar 19% and
spruce 2%. Cut - cedar 16 trees per acre,
average diameter 20 inches. Sawlog stand.

Fir-Spruce 6.8 M per acre 140 acres
Accessible.
Site: Fir 80; spruce 60.
Volumes: Fir 79%; spruce 21%.
Diameters: Fir maximum 20 inches, average 14 inches.
Spruce maximum 20 inches, average 14 inches.
Defects: None apparent.
Remarks: Good logging conditions. Easy to moderate
slopes, light windfall, little rock outcropping.

Spruce-Balsam 3.3 M per acre 370 acres
Accessible.
Site: Fir 60; spruce 60.
Volume: Fir 8%; spruce 66%; balsam 26%.
Diameters: Spruce maximum 24 inches, average 16 inches. Balsam maximum 16 inches, average 14 inches.
Remarks: Good logging conditions. Easy slopes, no rock, medium windfall, scattered swamps. Pulp stand.

Spruce 12 M per acre
350 acres
Accessible.
Site: Spruce 100; lodgepole pine 80.
Volume: Spruce 84%; balsam 6%; lodgepole pine 10%.
Diameters: Spruce maximum 20 inches, average 16 inches. Lodgepole pine maximum 20 inches, average 14 inches.
Remarks: Good logging conditions, haul of two miles to nearest existing roads. Topography good. Sawlog and pulp stand.

Spruce 11 M per acre
110 acres
See compartment 53 B.

Spruce 15 M per acre
220 acres
Accessible.
Site: Spruce 100.
Volume: Spruce 97%; other species 3%.
Diameters: Spruce maximum 24 inches, average 14 inches.
Defects: Spruce - none apparent.
Remarks: Good logging conditions. Flat swampy country. Balsam and lodgepole pine dead and down. Spruce for the most part clean. Pulp and sawlog stand.

Fir-Spruce 10 M per acre
600 acres
Accessible.
Site: Fir 90; spruce 80; lodgepole pine 80.
Volume: Fir 79%; spruce 15%; balsam 2%; lodgepole pine 4%.
Diameters: Fir maximum 36 inches, average 20 inches. Spruce maximum 24 inches, average 16 inches.
Remarks: Good logging conditions. Moderate to steep slopes. Fair quantity of sawlog size cedar in the draws. Timber on the whole is rather defective. Sawlog stand.
Yellow Pine-Fir 3.4 M per acre

270 acres

Accessible.
Site: Yellow pine medium; fir 70; larch II.
Volume: Yellow pine 60%; fir 34%; larch and lodgepole pine 6%.
Diameters: Yellow pine maximum 26 inches, average 22 inches.
           Fir maximum 22 inches, average 18 inches.
Defects: Fire scar, heartrot, buttrot, shake, crock, witches broom, dead top.
Remarks: Good logging conditions. Moderate slopes, rock, medium windfall. Stand deteriorating—many dead tops and signs of insect defoliators. Sawlog and cordwood stand.

Fir-Yellow Pine 1.6 M per acre

200 acres

Accessible.
Site: Fair.
Volume: Yellow pine 54%; fir 46%.

Fir-Larch 7.0 M per acre

220 acres

Accessible.
Site: Good.
Volume: Yellow pine 7%; fir 57%; larch 29%; and spruce 7%.

Along the south boundary of the compartment are 190 acres of mature fir, larch and spruce types—all of which are good quality sawlog stands with a good logging chance.

Other Areas

Yellow Pine Selectively Logged

810 acres

Accessible.
Site: Yellow pine medium; fir 70.
Density: Yellow pine 270 trees per acre.
           Fir 40 trees per acre.
Potential Use: Sawlogs and cordwood.
Remarks: Good logging conditions. Moderate slopes, little rock, light windfall. Yellow pine in diameters up to 22 inches.

Fir-Yellow Pine Selectively Logged

60 acres

See compartment 35A.
Fir-Yellow Pine Selectively Logged
Accessible.
Site: Yellow pine tall; fir 120.
Density: Yellow pine 80 trees per acre. Fir 140 trees per acre.
Potential Use: Good logging conditions. Moderate slope. Diameters up to 22 inches.

Fir 1930
This area had been clean cut and now is restocking satisfactorily with fir. Good logging conditions.

Fir-Larch Selectively Logged
Fir-Spruce-Cedar Selectively Logged
Spruce-Fir-Larch
80 acres
280 acres
60 acres
These three areas have all been selectively logged - all are well stocked, growing fast and clean. Good logging conditions - moderate slopes.

Other areas in the compartment include several small patches of mature timber, a large area of immature lodgepole pine types surrounding James Lake (approximately 4,000 acres.)

Compartment 33A

Main Area

Fir-Yellow Pine Selectively Logged
Accessible.
Site: Good.
Density: Yellow pine 50 trees per acre) 0 and 2 inch diameter Fir 140 trees per acre classes omitted.
Potential Use: Sawlogs and cordwood.

Mature Areas

Fir 5.5 M per acre, Part-Logged
Accessible.
Site: Yellow pine tall; fir 90.
Volume: Yellow pine 9%; fir 88%; cedar 3%.
Diameters: Yellow pine maximum 32 inches, average 18 inches. Fir maximum 34 inches, average 20 inches.
Defects: Crook, buttrot, fire scar, limbyness.

Remarks: Good logging conditions. Moderate slopes, occasional rock bluffs. Cedar and spruce are to be found in creek bottoms and the fir on slopes and benches. Cut in trees per acre: yellow pine 1.4, fir 4.5.

**Fir-Spruce 12 M per acre**

Accessible.

Site: Fir 100; spruce 80.

Volume: Fir 64%; spruce 28%; balsam 3%; lodgepole pine 5%; cedar 2%.

Diameters: Fir maximum 28 inches, average 18 inches.

Spruce maximum 20 inches, average 14 inches.

Defects: Fir - crook, limbyness, toprot.

Remarks: Good logging conditions. Moderate to very steep slopes. Rock bluffs. There is a considerable volume of cedar in the creek bottom which does not show on the tally.

**Fir-Spruce 7.7 M per acre, Part-Logged**

Accessible.

Site: Fir 90; spruce 80; lodgepole pine 70.

Volume: Fir 40%; spruce 27%; lodgepole pine 4%;

Cedar 16%; cottonwood 1%.

Diameters: Fir maximum 32 inches, average 18 inches.

Spruce maximum 22 inches, average 16 inches.

Cedar maximum 30 inches, average 18 inches.

Defects: Fir - crook, limbyness, buttrot.

Spruce - crook, limbyness, catface.

Cedar - crook, limbyness, buttrot, spiral grain.

Remarks: Good logging conditions. Moderate slope.

Scattered rock outcrops, medium reproduction, heavy windfall. 25% of the area is a spruce-cedar creek bottom type forming 45% of the volume, the other 75% is a fir type forming the remaining 55% of the total volume.

**Fir-Spruce 2.5 M per acre, Part-Burn**

Accessible.

Site: Good.

Volume: Fir 60%; spruce 40%.

Remarks: This easily loggable stand has been partly burned, resulting in a considerable number of snags. Buttrot probably extensive. Volumes estimated.
Fir 5.6 M per acre, Part-Logged
See Compartment 32.

110 acres

Other Areas

Yellow Pine Selectively Logged

Accessible.

Site: Good.

Density: Yellow pine 340 trees per acre) 0 inch diameter Fir 20 trees per acre ) class omitted.

Potential Use: Sawlogs and cordwood.


Other areas include a number of immature lodgepole pine, aspen and fir types at the back of the compartment.

Compartment 33B

Main Area

Spruce 11 M per acre

Accessible.

Site: Spruce 100; lodgepole pine 80.

Volumes: Fir 2%; spruce 95%; balsam 9%; lodgepole pine 3%; cedar 1%.

Diameters: Spruce maximum 34 inches, average 18 inches.
Balsam maximum 24 inches, average 14 inches.

Defects: Spruce - limbiness, scars.
Balsam - limbiness, heartrot, frost cracks, scars.
Fir - very defective.

Remarks: Good logging conditions. Easy slopes, little rock, fair balsam and spruce reproduction, windfall light. On the whole the spruce is thrifty and mature but inclined to be limby. The balsam and fir are quite defective and lodgepole pine decadent. Spruce good for both sawlogs and pulp.

Mature Areas

Lodgepole Pine-Spruce 8.3 M per acre
See Compartment 44A.

240 acres
Spruce 4.1 M per acre

Accessible.
Site: Spruce 60; lodgepole pine 60.
Volumes: Fir 4%; spruce 70%; balsam 13%; lodgepole pine 13%.
Defects: Bad heartrot in fir, balsam and lodgepole pine.
Remarks: Good logging conditions. Easy slopes, no rock, medium underbrush, medium windfall. Stand decadent. Pulp stand only.

Lodgepole Pine-Spruce 3.0 M per acre

Accessible.
Site: Spruce 80; lodgepole pine 70.
Volumes: Spruce 32%; balsam 7%; lodgepole pine 61%.
Diameters: Spruce maximum 18 inches, average 14 inches. Lodgepole pine maximum 12 inches, average 12 inches.
Defects: Balsam - frost cracks, dead tops, etc.
Remarks: Good logging conditions. Medium windfall, easy slopes, no rock outcrops. Timber suitable largely for posts, fuel, etc.

Spruce 17 M per acre

Accessible.
Site: Spruce 80.
Volumes: Spruce 97%; balsam 3%.
Diameters: Spruce maximum 24 inches, average 16 inches.
Defects: Spruce - catface.
Remarks: Good logging conditions. Medium windfall, flat, no rock. Pulp and sawlog stand.

Lodgepole Pine-Spruce 11 M per acre

Accessible.
Site: Spruce 100; lodgepole pine 90.
Volumes: Spruce 27%; lodgepole pine 73%.
Diameters: Spruce maximum 16 inches, average 14 inches. Lodgepole pine maximum 18 inches, average 14 inches.
Spruce 18 M per acre

Accessible.

Site: Spruce 80; lodgepole pine 90.

Volumes: Spruce 79%; balsam 12%; lodgepole pine 9%.

Diameters: Spruce maximum 30 inches, average 18 inches.

Balsam maximum 20 inches, average 14 inches.

Lodgepole pine maximum 14 inches, average 12 inches.

Defects: Balsam - heartrot.

Lodgepole pine - heartrot.

Remarks: Good logging conditions. Easy slopes, heavy windfall, no rock. Lodgepole pine 80% dead and down, balsam 60% dead and down. Spruce is mature, healthy and growing fast. Sawlog and pulp stand.

Spruce-Lodgepole Pine 6.9 M per acre

Accessible.

Site: Spruce 60; lodgepole pine 90.

Volumes: Spruce 71%; balsam 3%; lodgepole pine 26%.

Diameters: Spruce maximum 26 inches, average 16 inches.

Lodgepole pine maximum 22 inches, average 16 inches.

Defects: Lodgepole pine - heartrot.

Remarks: Good logging conditions. Flat, no rock, medium windfall. Lodgepole pine and balsam 60% dead and down, spruce fair, healthy. Pulp stand.

Spruce 10 M per acre

Accessible.

Site: Spruce 80.

Volume: Spruce 88%; balsam and lodgepole pine 12%.


Other Areas

Other areas include a number of small mature spruce and lodgepole pine stands which are scattered throughout the compartment. Save for two large areas of non-commercial cover, one east of Twin Lakes and the other east of the main timber area, the remaining types are largely of immature lodgepole pine (8,020 acres) well stocked and fast growing for the most part. The ages vary from 1940 in the southeast to 1922 in the north part of the big burn south of Beaver Lake.
Compartment 34A

Main Area

Yellow Pine (Fir Cordwood) 920 acres

Accessible.
Site: Yellow pine medium; fir 60.
Volume: Yellow pine 76%; fir 24%.
Diameters: Yellow pine maximum 40 inches, average 20 inches.
           Fir maximum 28 inches, average 18 inches.
Defects: Yellow pine - fire scar, buttrot, toprot.
         Fir - crook, fire scar, buttrot.
Remarks: Type is situated on both sides of Peachland
          Creek. The area north of the creek extends
          along a small creek. The topography is easy
          but the ground is rocky and broken. The area
          on the west of the creek is on a steep sidehill.
          Both areas are accessible by extension of
          existing roads. There are considerable quan-
          tities of cordwood fir.

Mature Areas

Fir-Yellow Pine (Fir Cordwood) 1.7 M per acre 1,070 acres

Accessible.
Site: Yellow pine medium; fir 60.
Volume: Yellow pine 35%; fir 65%.
Diameters: Yellow pine maximum 26 inches, average 18 inches.
           Fir maximum 26 inches, average 16 inches.
Defects: Yellow pine - limbyness, buttrot and crook.
         Fir - limbyness, buttrot, crook and shake.
Remarks: Timber is located on a plateau which is very
          rocky and broken. There is a large amount of
          fir suitable for cordwood only. A ground fire
          in 1931 partly burned the area. Poor logging
          chance.

Fir-Yellow Pine 4.0 M per acre 330 acres

Accessible.
Site: Yellow pine medium; fir 70.
Volume: Yellow pine 40%; fir 50%.
Diameters: Yellow pine maximum 36 inches, average 20 inches.
           Fir maximum 30 inches, average 18 inches.
Defects: Yellow pine - fire scar and buttrot.
         Fir - crook and shake.
Remarks: Area surrounded by logged types. Has not been
          logged due to predominance of fir. Considerable
          cordwood fir. There are roads through this type.
          A short haul of 5 miles to Peachland.
Fir 2.9 M per acre
An area of poor fir situated on broken plateau west of Peachland Creek. Some tie timber.

Other Areas

Yellow Pine-Fir Selectively Logged
Site: Yellow pine medium; fir 70.
Density: Yellow pine 120 trees per acre, well distributed up to 22 inches.
Fir 285 trees per acre, mostly zeros.
Potential Use: Sawlogs and box lumber.
Remarks: This type extends south from Peachland creek mostly on a high bench. Well stocked. 5 trees per acre have been logged.

Yellow Pine Logged 1929-37, 20% Scrub
Site: Yellow pine medium; fir 60.
Density: Yellow pine 20 trees per acre.
Fir 30 trees per acre.
Potential Use: Sawlogs, boxwood and cordwood.
Remarks: Type extends from the height of land to the lake, very steep and rocky slope. Area logged between 1929 and 1937. Average of 13 trees per acre have been logged.

Yellow Pine Logged 1927
Site: Yellow pine medium; fir 60.
Density: Yellow pine 350 trees per acre, diameters up to 16 inches.
Fir 65 trees per acre.
Potential Use: Sawlogs and boxwood.
Remarks: 12 trees per acre logged. Situated above the main highway.

Yellow Pine-Fir Logged 1938
Site: Yellow pine short; fir 60.
Density: Yellow pine 25 trees per acre.
Fir 15 trees per acre.
Potential Use: Sawlogs and boxwood.
Remarks: 8 trees per acre logged. Very rocky site, logged in patches.
Yellow Pine-Fir Selectively Logged 1927 and 1934-37

Site: Yellow pine medium; fir 60.
Density: Yellow pine 70 trees per acre.
          Fir 300 trees per acre, mostly zeros.
Potential Use: Sawlogs, box lumber and cordwood.
Remarks: Considerable poor fir on the area. 10 trees
         per acre logged. This area is rocky and
         broken. Situated behind the orchards at
         Peachland.

Compartment 34B

Main Area

Fir-Lodgepole Pine 1932
2,260 acres
This area was formerly lodgepole pine 1929 and 1928.
Both areas were burned in 1933 and are restocking
satisfactorily in lodgepole pine and fir.

Mature Areas

Fir Cordwood (Yellow Pine-Fir) 1.5 M per acre
460 acres
This type situated on the west side of Peachland Creek is
predominantly cordwood with scattered values of yellow pine
and fir sawlogs.

Fir 2.4 M per acre
660 acres
The timber is of poor quality. It lies on the ridge between
the north and south forks of Peachland Creek, has survived
several fires, and extends about 3 miles west from the forks.
Readily accessible to the Deep Creek road.

Fir 7.6 M per acre
See compartment 25L
300 acres

Lodgepole Pine-Spruce 6.1 M per acre
See compartment 25H
240 acres

Spruce-Lodgepole Pine 5.2 M per acre
90 acres

Spruce-Lodgepole Pine 6.5 M per acre
120 acres
See compartment 25L
Other Areas

Logged 1938, Burned 1933 70 acres
This area was logged for spruce and fir that escaped the fire in 1933. The logs were sawn into lumber by a portable mill and the lumber hauled 25 miles by truck to West Summerland.

The remaining area consists of lodgepole pine stands of various ages established from 1879 to 1933, and some areas burned in 1933 which are not restocking.

Compartment 34C

Main Area

Lodgepole Pine-Balsam 1872 1,440 acres
Stand is well stocked with 50% lodgepole pine and 30% balsam.
Fair site.

Mature Areas

Fir 2.4 M per acre
See compartment 34B.

Fir 5.7 M per acre 220 acres
A small patch of fir that escaped the fire in 1928. The timber is of very poor quality.

Fir 9.1 M per acre 340 acres
Patches of good quality fir which were missed by the fire in 1928. They are along the north bank of the north fork of Peachland Creek. Can be logged to a road along the creek.

Fir-Spruce 6.0 M per acre 510 acres
This stand extends along the north fork of Peachland Creek and in a strip about one half a mile wide and 3 miles long. This is a fair logging chance. Requires about 2½ miles of road building. About 11 mile haul to Peachland.

Other Areas

Lodgepole Pine 1950 2,520 acres
Large area burned over in 1950 and restocking in lodgepole pine. There are scattered seed trees. The former stand was lodgepole pine-balsam 1872.

The rest of the compartment has been burned over at various times resulting in a patchwork of types some restocking and some not.
Compartment 34D

Main Area

Lodgepole Pine 1904 2,310 acres
Well stocked stand 75% lodgepole pine. Good growing site.

Mature Areas

Spruce 11 M per acre 140 acres
Patch of mature spruce, will be logged with compartments 25 L and M.

Rest of compartment consists of lodgepole pine of various age classes and some decadent spruce-balsam just below the scrub line.

Compartment 35A

Main Area

Yellow Pine-Fir 4.6 M per acre 1,040 acres
Accessible.
Site: Yellow pine - medium; fir - 80.
Volume: Yellow pine 71%; fir 29%.
Diameters: Yellow pine maximum 36 inches, average 18 inches. Fir maximum 26 inches, average 16 inches.
Defects: Yellow pine - buttrot, crock and some limbyness. Fir - buttrot, crock, limbyness and shake.
Remarks: Good stand of timber. Fair logging ground. The topography is steep, but a road can be built through the timber which will connect with the Trepanier Creek road making a haul of 7-8 miles. This timber with the adjoining types in compartment 35C further along the creek will make a suitable unit for a long operation.

Mature Areas

Fir 3.3 M per acre 580 acres
Accessible.
Site: Yellow pine short; fir 80; spruce 80.
Volume: Yellow pine 8%; fir 88%; spruce 4%.
Diameters: Fir maximum 38 inches, average 16 inches.
Remarks: Can be reached by extending present logging roads which run to edge of type. Average haul 7 miles.
Fir-Yellow Pine (Fir Cordwood) 1.7 M per acre 290 acres
See compartment 34A.

Fir 3.0 M per acre 170 acres
Patch of fir on the road to Silver Lake.

Yellow Pine-Fir 2.3 M per acre 460 acres
A patch of timber on the south side of Trepanier Creek
which was left after fire in 1926. Steep slopes.
Average haul to dump at Peachland 7 miles.

Fir 3.9 M per acre 100 acres
See compartment 35C.

Other Areas

Yellow Pine-Fir Selectively Logged 1926-38 2,260 acres
Site: Yellow pine medium; fir 70.
Density: Yellow pine 210 trees per acre, well distributed
up to 22 inches.
Fir 230 trees per acre, considerable zeros.
Potential Use: Sawlog and box lumber.
Remarks: This type extends along Trepanier Creek Valley
and is confined to a narrow strip along the
valley bottom, mostly on the north side. The
main road up the creek runs through the type.

Yellow Pine Selectively Logged 190 acres
Patch of almost pure yellow pine on the bench at the
mouth of Trepanier Creek. Ten trees per acre, logged
from the area.

Compartment 35B

Main Area

Fir 6.0 M per acre 1,110 acres
See compartment 36.

Mature Areas

Yellow Pine-Fir 3.1 M per acre 560 acres
Accessible.
Site: Yellow pine medium; fir 60.
Volume: Yellow pine 75%; fir 28%.
Diameters: Yellow pine maximum 34 inches, average 18 inches.
Fir maximum 25 inches, average 16 inches.
Defects:  Yellow pine - buttrot, crook, heartrot and limbiness.
Fir - buttrot, crook, shake and limbiness.

Remarks:  Area will be logged by extending present logging roads.  8-9 mile haul to Peachland dump.  Rough ground for logging.

Fir (Fir Cordwood) 1.2 M per acre  680 acres
This type occurs on the summit between Jack Creek and Powers Creek.  Very rocky site and poor quality timber.
Timber just south of the area has been logged to Westbank.

Other Areas

Yellow Pine-Fir Selectively Logged 1928-38  780 acres
Site:  Yellow pine medium; fir 60.
Density:  Yellow pine 360 trees per acre, large number of zeros with a good distribution in other diameters up to 20 inches.
Fir 180 trees per acre.

Potential Use:  Sawlogs, box lumber and cordwood.
Remarks:  An average of 13 trees, 26 inches in diameter have been logged from the area.  Steep valley with rocky outcrops.

The remaining productive area consists mostly of lodgepole pine and fir-lodgepole pine stands established in 1899, except to the north and west where they have been burnt in 1930 resulting in some poorly stocked areas and in some lodgepole pine 1930.

Compartment 35C

Main Area

Yellow Pine (Fir Cordwood) 3.5 M per acre  950 acres

Accessible.
Site:  Yellow pine tall; fir 80.
Volume:  Yellow pine 95%; fir 4%.
Diameters:  Yellow pine maximum 36 inches, average 22 inches.  
Fir maximum 20 inches, average 16 inches.
Defects:  Yellow pine - buttrot, catface, limbiness, beetle damage and twist.
Fir - buttrot, fire scar, ring shake.
Remarks:  This type is situated on the north bank of Trepanier Creek.  The slope is steep and broken, but roads can be built to the timber.  Average haul 9 to 10 miles to Peachland dump.  This area
and the timber in compartment 35 A should be considered as a unit. The fir is very poor quality. At the upper limits of the type the yellow pine is scattered. There was considerable insect damage noted indicating that this type should be logged as soon as possible.

**Mature Areas**

<table>
<thead>
<tr>
<th>Fir 3.9 M per acre</th>
<th>310 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessible</td>
<td></td>
</tr>
<tr>
<td>Site:  Yellow pine medium; fir 90.</td>
<td></td>
</tr>
<tr>
<td>Volume: Yellow pine 6%; fir 85%; cottonwood 9%.</td>
<td></td>
</tr>
<tr>
<td>Diameters: Fir maximum 22 inches, average 18 inches.</td>
<td></td>
</tr>
<tr>
<td>Defects: Fir - fire scar, insect damage and ring shake in larger trees.</td>
<td></td>
</tr>
<tr>
<td>Remarks: Type extends along the creek on a dry narrow flat; mostly small, thrifty trees. Good tie timber. Easy logging ground.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Yellow Pine (Fir Cordwood) 3.2 M per acre</th>
<th>260 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessible</td>
<td></td>
</tr>
<tr>
<td>Site: Yellow pine tall.</td>
<td></td>
</tr>
<tr>
<td>Volume: Yellow pine 100%.</td>
<td></td>
</tr>
<tr>
<td>Diameters: Yellow pine maximum 30 inches, average 20 inches.</td>
<td></td>
</tr>
<tr>
<td>Defects: Fire scar, buttrot and limbyness.</td>
<td></td>
</tr>
<tr>
<td>Remarks: This timber is a continuation of the main type which has been burnt over in 1930. There is considerable cordwood fir on the area.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fir 1.5 M per acre, Part-burned 1930</th>
<th>350 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>This fir type occurs above the yellow pine. It is poor quality and has been partly burned in 1930.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cottonwood-Fir 13 M per acre</th>
<th>30 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>This is a small creek bottom type with good stand of cottonwood fir and spruce.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fir-Cordwood (Fir) 1.0 M per acre, Part-Burned 1933</th>
<th>930 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large type of poor quality fir that has been partly burned situated on the north slope of the ridge between Trepanier and Peachland Creeks. Ground very broken and steep.</td>
<td></td>
</tr>
</tbody>
</table>
Other Areas

Lodgepole Pine-Spruce 1835 180 acres
See compartment 37C.

Lodgepole Pine 1930 2,150 acres
A large area formerly mature fir, with scattered yellow pine at the lower elevations, burned in 1930 and re-stocking in lodgepole pine in 80% of the area.

Lodgepole Pine-Fir 1930 1,110 acres
A large area well restocked on the south bank of the creek.

Compartment 35D

Main Area

Decadent Spruce-Balsam 2,840 acres
Spruce site 100. A large area of over mature timber situated at the height of land between the Nicola and Trepanier Creek. This timber is so decadent as to be rotten and of no commercial value.

The rest of the compartment consists of a 1930 burn which has restocked mostly in lodgepole pine or along the creek at lower elevations with lodgepole pine-fir. Between Lacoma Creek and the main creek there is a large area which has not restocked satisfactorily.

Compartment 35 E

Main Area

Burn 1930 3,350 acres
Large area between MacDonald Creek and the main creek which has not restocked since the burn. There are no seed trees. The present stocking is about 500 trees per acre, mostly spruce. The former stand was lodgepole pine 1904 and spruce-balsam-lodgepole pine mature. This area has been severely burned and will probably take some time to restock.

Mature Areas

Fir 9.1 M per acre 360 acres
Accessible.
Site: Fir 100; spruce 60.
Volume: Fir 78%; spruce 17%; cottonwood 5%.
Diameters: Fir maximum 34 inches, average 18 inches.
Spruce maximum 28 inches, average 18 inches.
Defects: Fir - fire scar, buttrot and insect damage.
Spruce - rot and limbiness.
Remarks: This is a long narrow type left by the fire in 1930. It extends along the creek bottom for 3 miles.

Other Areas

Spruce-Balsam 1930
1,880 acres
This stand was formerly spruce-balsam-lodgepole pine
4M per acre. Sufficient seed trees were left to restock the area.

There are also several large areas which have restocked in lodgepole pine 1930 following the fire in 1930 and one area which has a dense cover of willow and alder. Also there is considerable decadent spruce-balsam adjoining the same type in compartment 35D.

Compartment 36

Main Area

Fir 6.0 M per acre
2,270 acres
Accessible.
Site: Yellow pine medium; fir 80.
Volume: Yellow pine 13%; fir 87%.
Diameters: Yellow pine maximum 30 inches, average 20 inches.
Fir maximum 36 inches, average 18 inches.
Defects: Yellow pine - fire scars and buttrot.
Fir - fire scars, buttrot and shake.
Remarks: This is a good stand of fir with scattered yellow pine. Average haul to the Peachland dump is 7 miles. Requires about 3 miles of main road building beyond existing roads. Good logging conditions.

Mature Areas

Fir 4.0 M per acre
270 acres
This type is about 1 mile from the main highway, and has been logged for yellow pine in 1931 and 1932. Very broken ground.
Other Areas

Fir-Yellow Pine Selectively Logged 1933-35 710 acres

Site: Yellow pine medium; fir 60.
Density: Yellow pine 30 trees per acre.
Fir 290 trees per acre, mostly zeros.
Lodgepole pine 25 trees per acre.
Potential Use: Sawlogs.
Remarks: The timber from this area was logged through Glenrosa. The stand is well stocked with zeros, but has not sufficient trees in the upper diameters. This is some lodgepole pine encroaching. Six yellow pine trees per acre and 2 fir were removed during the logging.

Fir Logged 1927-1936 400 acres

This area just west of Glenrosa is well stocked with fir of all diameter classes up to 18 inches. Scattered yellow pines were logged 3 per acre, and 9 fir.

Yellow Pine-Fir Selectively Logged 1,160 acres

This area extending around the foot of the ridge north of Trepanier is very rocky and broken, but is very accessible to the main highway.

Compartment 37A

Main Area

Yellow Pine-Fir Selectively Logged 1,610 acres

Site: Yellow pine short to medium; fir 60.
Density: Yellow pine 230 trees per acre, mostly zeros, but distributed up to 20 inches d.b.h.
Fir 445 trees per acre, mostly zeros.
Potential Use: Sawlogs, box lumber and fir cordwood.
Remarks: Parts of the type have been logged twice. An average of 8.7 yellow pine and 3.5 fir per acre have been removed. The area is broken by rocky knolls.

Other Areas

Yellow Pine-Fir Logged and Burned 390 acres

Site: Yellow pine medium; fir 60.
Density: Yellow pine 40 trees per acre.
Fir 50 trees per acre.
Potential Use: Sawlogs and fir cordwood.
Remarks: An average of 22 trees per acre have been logged and subsequent fires have prevented reproduction from being fully established.
Fir Logged Selection 370 acres
Similar to type in compartment 36, but has patches of willow and aspen.
There are also numerous small areas of various types of yellow pine and fir logged selectively some of which are not restocking satisfactorily.

Compartment 37B

Main Area

Spruce-Lodgepole Pine 4.1 M per acre 1,900 acres
Accessible.
Site: Fir 70; spruce 30; lodgepole pine 10.
Volume: Fir 5%; spruce 45%; lodgepole pine 42%; balsam 8%.
Diameters: Spruce maximum 28 inches, average 18 inches.
Lodgepole pine maximum 18 inches, average 12 inches.
Defects: Spruce - trunk rot and limbyness.
Lodgepole pine - catface.
Remarks: This type lies on the ridge between McDougall and Powers Creeks and is suitable for pulp only.

Mature Areas

Fir (Fir Cordwood) 1.2 M per acre 600 acres
See compartment 37B.

Yellow Pine (Fir Cordwood) 1.8 M per acre 850 acres
Accessible.
Site: Yellow pine medium; fir 60.
Volume: Yellow pine 83%; fir 17%.
Diameters: Yellow pine maximum 40 inches, average 24 inches.
Fir maximum 20 inches, average 16 inches.
Defects: Yellow pine - buttrot and fire scar.
Fir - limbyness and crook.
Remarks: Very steep and rocky slopes. The yellow pine is in large scattered trees and the fir is mostly cordwood quality or scrub.

Other Areas

Lodgepole Pine 1927 1,700 acres
Area burned in 1925 and restocked following the fire.
The former stand was mature spruce-balsam-lodgepole pine.
Compartment 37C

Main Area

Spruce-Fir 2.9 M per acre 1,850 acres
Accessible.
Site: Fir 90; spruce 100; lodgepole pine 70.
Volume: Fir 38%; spruce 52%; lodgepole pine 5%; balsam 5%.
Diameters: Fir maximum 24 inches, average 16 inches.
Spruce maximum 28 inches, average 16 inches.
Defects: Limbyness, crook and rot.
Remarks: This type is mostly small thrifty trees which will make a good stand if allowed to grow. Most of the lodgepole pine has been beetle killed. The better patches of this type will probably be logged with the better stands in this area.

Mature Areas

Spruce-Fir 12 M per acre 150 acres
Accessible.
Site: Fir 70; spruce 120.
Volume: Fir 44%; spruce 51%; balsam 2%; lodgepole pine 3%.
Diameters: Fir maximum 30 inches, average 18 inches.
Spruce maximum 22 inches, average 16 inches.
Defects: Fir - limbyness, crook, buttrot and shake.
Spruce - limbyness, crook, rot.
Remarks: Small patch of good timber on south bank of Powers Creek.

Lodgepole Pine-Spruce 11 M per acre 1,220 acres
Accessible.
Site: Fir 80; spruce 80; lodgepole pine 70.
Volume: Fir 3%; spruce 43%; lodgepole pine 51%; balsam 3%.
Diameters: Spruce maximum 28 inches, average 18 inches.
Lodgepole pine maximum 16 inches, average 14 inches.
Defects: Spruce and fir - crook, limbyness, some buttrot and rot.
Remarks: The lodgepole pine is in the small diameters which would make it unprofitable to log for box shook for present conditions. The spruce runs to larger diameters and will be logged probably after the better spruce stands in this compartment. The main road through this area should go along Powers Creek which is the southern boundary of this type.
Spruce-Fir 18 M per acre

Accessible.

Site: Fir 70; spruce 120; lodgepole pine 70.

Volume: Fir 44%; spruce 51%; lodgepole pine 4%; balsam 1%.

Diameters: Fir maximum 28 inches, average 18 inches. Spruce maximum 26 inches, average 16 inches.


Remarks: This will be the first unit logged when this Powers Creek timber is logged. The average haul to Westbank is 11 to 12 miles. This will require 6 miles of road beyond the present logging behind Glenrose. Fairly steep slopes on the sidehill but good skidding.

Lodgepole Pine 10 M per acre

This is a heavy stand of 92% lodgepole pine mostly 12 and 14 inches in diameter.

Spruce 9.5 M per acre

Accessible.

Site: Fir 90; spruce 100.

Volume: Fir 13%; spruce 79%; balsam 8%.

Diameters: Fir maximum 32 inches, average 22 inches. Spruce maximum 32 inches, average 20 inches.


Remarks: This is a good stand of sawlog spruce situated around Paynter Lake. The slopes are gentle making easy logging. Average haul of 15 miles to Westbank.

Spruce-Lodgepole Pine 9.1 M per acre

Accessible.

Site: Fir 90; spruce 80; lodgepole pine 90.

Volume: Fir 5%; spruce 61%; lodgepole pine 31%; balsam 3%.

Diameters: Spruce maximum 24 inches, average 16 inches. Lodgepole pine maximum 16 inches, average 12 inches.


Remarks: This type occurs west of the spruce-Fir 18 M type on the west fork of Powers Creek. The lodgepole pine is very small.
Spruce-Fir 10 M per acre  110 acres
See main type, compartment 40C.

Spruce-Balsam-Lodgepole Pine 5.0 M per acre  610 acres
This is an area of pulp timber south of White Rocks Mountain.

Immature Areas

Lodgepole Pine-Spruce 1635 (4.1 M per acre)  360 acres
An area of immature spruce and lodgepole pine which has some merchantable volume. This type is adjacent to a mature timber type.

Lodgepole Pine 1856  3,460 acres
A well stocked thrifty stand of 75% lodgepole pine.
There is some pine grass grazing in this type.

Lodgepole Pine 1927  1,530 acres
Area burned in 1925 and restocked following the fire.
The former stand was mature spruce-balsam-lodgepole pine.
The remaining productive area was burned in 1930 and restocking in lodgepole pine.

Compartment 38A

Main Area

Yellow Pine Selectively Logged and Burned  1,440 acres
Site: Yellow pine medium.
Density: Yellow pine 650 trees per acre, mostly zeros and twos but well distributed up to 18 inches. Fir 10 trees per acre.
Potential Use: Sawlogs and box lumber.
Remarks: This type occurs on a bench above the lake. There are 2,5 trees per acre have been logged. The logging is very old and fire has been through the area repeatedly.

Other Areas

Yellow Pine-Fir Selectively Logged and Burned  630 acres
Site: Yellow pine medium; fir 60.
Density: Yellow pine 320 trees per acre up to 14 inches. Fir 250 trees per acre.
Potential Use: Sawlogs, box lumber and fir cordwood.
Remarks: This area has been logged several times, most recently for fuel. 11 yellow pine and 3.7 fir per acre have been removed. This stand has very few trees above 12 inches d.b.h., and is more or less even-aged indicating that it was established after fires. Thinning in the dense stocking of zeros and twos would release the remaining stand and permit faster growth.

Yellow Pine-Fir Selectively Logged 660 acres
Site: Yellow pine medium; fir 60.
Density: Yellow pine 305 trees per acre with diameters well distributed up to 18 inches.
         Fir 175 trees per acre.
Potential Use: Sawlogs, box lumber and fir cordwood.
Remarks: A well stocked stand which on the northwest runs up to scrub on a rocky hill. Easy slopes.

Yellow Pine Logged 400 acres
Site: Medium.
Density: 185 trees per acre with diameters up to 12 inches, well represented.
Potential Use: Sawlogs and box lumber.
Remarks: Very easy slopes. This area borders on open range and tends to be not fully stocked. An average of 5.2 trees have been logged from the stand.

Yellow Pine-Fir Selectively Logged 1924-26 320 acres
Site: Yellow pine short; fir 70.
Density: Yellow pine 105 trees per acre with a good diameter distribution.
         Fir 125 trees per acre.
Potential Use: Sawlogs, box lumber and fir cordwood.
Remarks: This type extends along Westbank Creek to the scrub line. This area is rocky and broken. An average of 6.9 yellow pine per acre logged.

Practically all the remaining forest area has been logged and is restocking. The northern part of the compartment is broken by rocky knolls resulting in many small types.
Compartment 36B

Main Area

Lodgepole Pine 1924

An area at the headwaters of McDougall Creek which was burned in 1924 and has restocked in lodgepole pine. This is very rough country. The former stand was poor quality mature fir.

Mature Areas

Fir-Yellow Pine 3.4 M per acre

Accessible:
Site: Yellow pine short to medium; fir 100.
Volume: Yellow pine 31%; fir 54%; cedar 13%; lodgepole pine 2%.
Diameters: Yellow pine maximum 28 inches, average 20 inches.
          Fir maximum 30 inches, average 18 inches.
Defects: Yellow pine - fire scar and crook.
         Fir - shake, fire scar and crook.
Remarks: Very difficult logging chance. Very steep slope and poor road building conditions.

Fir (Fir Cordwood) 0.8 M per acre
This is a patch of very poor fir on a steep rocky slope.

Fir 4.8 M per acre
An area of fir near headwaters of McDougall Creek. Poor logging chance as ground is very steep and rocky. Above this type to the east is a large area of fir cordwood about 50% scrub.

Spruce-Lodgepole Pine 4.1 M per acre
See compartment 37B.

Other Areas

Yellow Pine-Fir Selectively Logged

An area of steep slopes into the creek but fairly well stocked with trees below 8 inches d.b.h. 6.7 yellow pine and .5 fir per acre have been logged. There were some cedar poles and posts taken from the creek. The remaining productive area is composed mostly of lodgepole pine and fir immature of various ages.
Compartment 39

Main Area

Yellow Pine Selectively Logged and Burned 1,890 acres

Site: Yellow pine medium.
Density: Yellow pine 310 trees per acre exclusive of zeros. Scattered trees above 10 inches. Fir 15 trees per acre.
Potential Use: Sawlogs and box lumber.
Remarks: An average of 6 trees per acre have been logged. This area has been logged twice in some places. Most of the logging is very old. The area has been burned over frequently.

Other Areas

Yellow Pine Selectively Logged 1930-38 750 acres

Site: Medium.
Density: Yellow pine 390 trees per acre with diameters well represented up to 18 inches; 60% are zeros. Fir 100 trees per acre.
Potential Use: Sawlogs and box lumber.
Remarks: Good growing site. Rolling topography. Very close to the lake. An average of 7 trees per acre logged.

Yellow Pine-Fir Selectively Logged 420 acres

Site: Yellow pine medium; fir 60.
Density: Yellow pine 235 trees per acre with diameters well distributed up to 20 inches. Fir 143 trees per acre.
Potential Use: Sawlogs and box lumber.
Remarks: Well stocked area along the lake. Rather steep and broken.

Yellow Pine-Fir Selectively Logged 1923-1938 1,240 acres

Site: Yellow pine medium; fir 60.
Density: Yellow pine 290 trees per acre with diameters up to 20 inches and occasional trees up to 30 inches. Fir 320 trees per acre, mostly zeros.
Potential Use: Sawlogs and box lumber.
Remarks: This area mostly logged to Svean's mill extends along a creek and up to scrub on a rocky ridge. An average of 4.8 yellow pine and 1.6 fir logged from area.
Yellow Pine Logged 1927

Site: Medium.
Density: Yellow pine 150 trees per acre, mostly zeros. Fir 80 trees per acre.
Potential Use: Sawlogs and box lumber.
Remarks: Rocky area - very steep and broken. Area adjoins lake and main road. 8 trees per acre have been logged. Area should gradually fill in and become well stocked.

Compartment 40A

Main Area

Fir-Yellow Pine Logged

Site: Yellow pine medium; fir 60.
Density: Yellow pine 35 trees per acre ranging up to 18 inches.
Fir 205 trees per acre, 75% zeros and patchy.
Potential Use: Sawlogs and cordwood.
Remarks: The fir is poor quality. Most of logging is old. Very dry sidehill along the Lambly Creek road. 8.8 yellow pine per acre logged and 2.5 fir.

Mature Areas

Yellow Pine-Fir 2.4 M per acre

Accessible.
Site: Yellow pine short; fir 60.
Volume: Yellow pine 59%; fir 31%.
Diameters: Yellow pine maximum 30 inches, average 22 inches. Fir maximum 32 inches, average 22 inches.
Defects: Yellow pine - buttrot and fire scar. Fir - fire scar, crook, limbyness, and shake.
Remarks: The type is located along the Lambly Creek road about 3 miles from the dump. Very steep and rough ground.

Fir-Yellow Pine 1.5 M per acre

This type is on a very steep sidehill west of Lambly Creek above the old logging.

Fir-Yellow Pine 4.0 M per acre

Accessible.
Site: Yellow pine medium; fir 70.
Volume: Yellow pine 50%; fir 70%.
Diameters: Yellow pine 28 inches, average 16 inches. Fir 26 inches, average 18 inches.

Defects: Fire scars and some shake.

Remarks: There are patches of fir 1923 and 1930 resulting from spot fires. Fairly steep slopes. About 4 miles from log dump.

Fir (Fir Cordwood) 2.5 M per acre
See compartment 36B.
560 acres

Other Areas

Yellow Pine (Fir Cordwood) Selectively Logged 1926
180 acres

Site: Yellow pine medium; fir 60.
Density: Yellow pine 175 trees per acre, mostly zeros. Fir 190 trees per acre, mostly zeros.
Potential Use: Sawlogs, box lumber and cordwood.
Remarks: Well stocked stand - all the fir is cordwood quality. An average of 8 yellow pine and 1.3 fir logged.

Yellow Pine-Fir Logged 1923 and 1933 to 1938
190 acres

Site: Yellow pine medium; fir 60.
Density: Yellow pine 145 trees per acre.
Fir 85 trees per acre.
Potential Use: Sawlogs and cordwood.
Remarks: This type is adjacent to the above type. It is fairly well stocked and should soon be fully stocked. 7 yellow pine and 2 fir trees per acre have been logged.

Yellow Pine Logged
180 acres

Site: Yellow pine medium.
Density: Yellow pine 80 trees per acre, mostly zeros and twos.
Potential Use: Sawlogs.
Remarks: Very open area near mouth of Lambly Creek 8.5 trees per acre logged. This type is adjacent to a large area of semi open range that has been logged but has scattered trees left.

The remaining area consists of many small types due to extensive logging in the area. There are patches of reproduction and of more poorly stocked areas and also numerous small patches of timber.
Compartment 40B

Main Area

Spruce 8.2 M per acre
Accessible.
Site: Spruce 80.
Volume: Spruce 81%; balsam 12%; lodgepole pine 7%.
Diameters: Spruce maximum 32 inches, average 18 inches.
Defects: Trunk rot and frost crack.
Remarks: This type extends from 4500 to 5500 feet elevation. At the higher elevations the timber is short and of poor quality. At the lower elevations the timber is better than the average for the type. The lower timber will constitute a good logging chance. About 7 miles of new road will be required making a total haul of approximately 16 miles.

Mature Areas

Spruce-Lodgepole Pine 11 M per acre
460 acres
This type composed mostly of small spruce and lodgepole pine and is mixed in the main type.

Fir (Fir Cordwood) 2.0 M per acre
520 acres
Accessible.
Site: 90.
Volume: Fir 91%; lodgepole pine 9%.
Diameters: Fir maximum 30 inches, average 16 inches.
Defects: Crook, limbiness and shake.
Remarks: This type occurs on a rocky hill south of Lumbly Creek. There is some good tie timber, but the large fir is very poor.

Other Areas

Lodgepole Pine 1956
3,330 acres
A well stocked stand 90 to 100% lodgepole pine. The former stand was probably mature spruce and spruce fir.

Lodgepole Pine 1963
2,190 acres
Well stocked stand formerly probably mature fir.

The rest of the compartment is made up mostly of immature types of various age classes of which the greater part are lodgepole pine. In the eastern part of the compartment there is some good grazing land.
Compartment 400

Main Area

Spruce-Fir 16 M per acre
Accessible. 870 acres

Site: Fir 90; spruce 100.
Volume: Fir 33%; spruce 54%; balsam 4%; lodgepole pine 9%.
Diameters: Fir maximum 40 inches, average 24 inches.
Spruce maximum 36 inches, average 22 inches.
Defects: Fir - shake, pitch and buttrot.
Spruce - limbyness, crook and trunk rot.
Remarks: Very good stand of timber on easy slopes. This timber can be logged to the lake by Lambly Creek or Powers Creek whichever road is put in first. The Powers Creek haul will be approximately 12 miles which is about 3 or 4 miles shorter than Lambly Creek.

Mature Areas

Spruce-Fir 6.0 M per acre 1,150 acres
Accessible.

Site: Fir 80; spruce 80.
Volume: Fir 23%; spruce 62%; balsam 9%.
Diameters: Fir maximum 26 inches, average 16 inches.
Spruce maximum 26 inches, average 18 inches.
Defects: Fir - limbyness and crook.
Spruce - limbyness, crook and trunk rot.
Remarks: Large area of fair timber. The lodgepole pine has been almost entirely beetle-killed which will release the spruce and fir. Stand in condition for good growth.

Other Areas

Lodgepole Pine 1927 1,560 acres
Stand well stocked following fire in 1925. The former stand probably was spruce-fir.

Lodgepole Pine 1856 1,460 acres
Well stocked stand 95% lodgepole pine changing to lodgepole pine-spruce just below the scrub line.

Lodgepole Pine-Fir-Spruce 1856 1,070 acres
Along Lambly Creek the lodgepole pine is mixed with fir and spruce.
Compartment 40D

Main Area

**Fir (Fir Cordwood) 3.2 M per acre**

| Site: Yellow pine medium; fir 80; spruce 20. |
| Volume: Yellow pine 12%; fir 71%; spruce 4%; lodgepole pine 3%. |
| Diameters: Yellow pine maximum 28 inches, average 20 inches. Fir maximum 30 inches, average 20 inches. |
| Defects: Fir - llimbiness, crook and shake. |
| Remarks: Large area of fir with considerable cordwood and cull trees. There are small patches of yellow pine throughout the type and the spruce occurs in the draws. The road extends up Bald Range Creek for about 9 miles to the edge of the area. |

<table>
<thead>
<tr>
<th>Fir (Fir Cordwood) 3.2 M per acre</th>
<th>2,370 acres</th>
</tr>
</thead>
</table>

**Mature Areas**

**Spruce 12 M per acre**

A good patch of spruce mostly included in timber sale X 24269.

<table>
<thead>
<tr>
<th>Spruce 12 M per acre</th>
<th>220 acres</th>
</tr>
</thead>
</table>

**Lodgepole Pine 6.1 M per acre**

See compartment 40F.

<table>
<thead>
<tr>
<th>Lodgepole Pine 6.1 M per acre</th>
<th>200 acres</th>
</tr>
</thead>
</table>

**Spruce 13 M per acre**

This type is part of timber sale X 20803.

<table>
<thead>
<tr>
<th>Spruce 13 M per acre</th>
<th>110 acres</th>
</tr>
</thead>
</table>

**Fir 4.7 M per acre**

See compartment 40F.

<table>
<thead>
<tr>
<th>Fir 4.7 M per acre</th>
<th>720 acres</th>
</tr>
</thead>
</table>

**Fir-Yellow Pine 4.0 M per acre**

This type extends north of the open range west of Bald Range Creek. The volumes have been estimated.

<table>
<thead>
<tr>
<th>Fir-Yellow Pine 4.0 M per acre</th>
<th>440 acres</th>
</tr>
</thead>
</table>

**Fir-Yellow Pine 2.6 M per acre**

See compartment 41.

<table>
<thead>
<tr>
<th>Fir-Yellow Pine 2.6 M per acre</th>
<th>370 acres</th>
</tr>
</thead>
</table>

Other Areas

**Fir-Yellow Pine Selectively Logged 1929-38**

| Site: Yellow pine medium. |
| Density: Yellow pine 45 trees per acre, with trees up to 18 inches. Fir 435 trees per acre, 97% zeros and twos. |

<table>
<thead>
<tr>
<th>Fir-Yellow Pine Selectively Logged 1929-38</th>
<th>1,180 acres</th>
</tr>
</thead>
</table>
Potential Use: Sawlogs and box lumber.

Remarks: This area has been logged progressively since 1929, 10 yellow pine and 1.1 fir trees per acre having been removed. While the fir reproduction is very plentiful, the yellow pine will probably form the larger part of the merchantable stand. An average haul of 8 miles to the lake.

Lodgepole Pine 1891
1,660 acres
A well stocked stand of almost pure lodgepole pine.

Compartment 40E

Main Area

Balsam 1919 (Lodgepole Pine-Spruce 1.5 M per acre) 5,180 acres
The former stand on this area was 170 year old lodgepole pine, which was severely attacked by bark beetles, leaving the understory of various aged balsam and some spruce and a few mature spruce, balsam and lodgepole pine with an average volume of 1.5 M per acre. The windfall of beetle-killed pine is very dense making travel difficult. The type description does not adequately cover the type, but was used for lack of a better one.

Mature Areas

Spruce-Lodgepole Pine 6.5 M per acre 170 acres
See compartment 51B.

Spruce-Lodgepole Pine 7.5 M per acre 530 acres
Accessible.
Site: Spruce 80; lodgepole pine 70.
Volume: Spruce 50%; lodgepole pine 34%; balsam 8%.
Diameters: Spruce maximum 26 inches, average 16 inches.
Lodgepole pine maximum 22 inches, average 14 inches.
Defects: Spruce - trunk rot and windfall damage.
Lodgepole pine - bark beetles, and windfall damage.
Remarks: There has been heavy beetle damage to the lodgepole pine. This stand at present is not heavy enough for a sawlog type as the trees are too small.
Spruce 8.9 M per acre
Accessible.
Site: Spruce 100; lodgepole pine 80.
Volumes: Spruce 77%; lodgepole pine 10%; balsam 13%.
Diameters: Spruce maximum 30 inches, average 20 inches.
Balsam maximum 18 inches, average 14 inches.
Defects: Spruce - buttrot and trunk rot.
Remarks: Fair stand of sawlog spruce, probably better volume than the tally indicates. To haul it out by Lambly Creek would require about 4 or 5 miles of road beyond the present logging making a total haul of 14 miles to the lake.

Spruce 3.0 M per acre
1,120 acres
A stand of spruce of poor site quality and in smaller diameters. The lodgepole pine has been beetle killed, this stand is suitable for pulp only.

Spruce 5.0 M per acre
560 acres
The spruce in this stand is of poor quality, but has larger diameters than the above stand.

Spruce 16 M per acre
See compartment 51B.

Spruce-Fir 28 M per acre
90 acres
This is a small isolated area of very good spruce with diameters up to 34 inches, 79% spruce and 20% fir.

Other Areas

Lodgepole Pine 1668
1,080 acres
A well stocked stand of lodgepole pine.

The remaining area consists mostly of immature timber of varying age classes. Before the beetle infestation there was some grazing in this compartment and the meadows were utilized but since that time the windfall has been too heavy for cattle to move around freely.

Compartment 40F

Main Area

Spruce-Lodgepole Pine 11 M per acre
Accessible.
Site: Fir 80; spruce 80; lodgepole pine 70.
Volume: Fir 7%; spruce 55%; lodgepole pine 31%; balsam 7%.

Diameters: Spruce - maximum 30 inches, average 16 inches.
Lodgepole pine - maximum 18 inches, average 12 inches.

Defects: Spruce - buttrot; lodgepole pine - bark beetle infestation.

Remarks: This stand is mostly thrifty spruce of 75% of stand below 20 inches. When the lodgepole pine dies out the spruce should increase considerably. This stand is not considered a profitable logging chance at present.

Mature Areas

Spruce-Lodgepole Pine 7.9 M per acre 660 acres
Similar to the above type. Spruce is patchy. 40% of the lodgepole pine has been killed by bark beetles.

Spruce-Lodgepole Pine 3.5 M per acre 770 acres
Large type along the east side of Big Horn Creek. The lodgepole pine has been practically eliminated by bark beetles leaving the stand full of windfalls which constitute a serious fire hazard. There is 2.2 M per acre of smaller diametered spruce.

Lodgepole Pine 6.1 M per acre 1,040 acres
Accessible.
Site: Spruce 80; lodgepole pine 80.
Volume: Spruce 19%; lodgepole pine 74%; balsam 7%.
Diameters: Spruce maximum 26 inches, average 16 inches.
Lodgepole pine maximum 20 inches, average 14 inches.

Defects: Spruce - limbyness, crook and trunk rot.
Lodgepole pine - crook, catface and bark beetles.

Remarks: This type occurs along the drier rockier ridge through the spruce-lodgepole pine types.

Fir-Yellow Pine 5.8 M per acre 490 acres
Accessible.
Site: Yellow pine medium; fir 70.
Volume: Yellow pine 33%; fir 64%; lodgepole pine 3%.
Diameters: Yellow pine maximum 34 inches, average 24 inches.
Fir maximum 32 inches, average 16 inches.

Defects: Yellow pine - buttrot and fire scar.
Fir - buttrot and fire scar.

Remarks: This type is a fair logging chance having a 9 mile haul to the lake. The yellow pine volume mostly in large trees.
Fir 4.7 M per acre 350 acres
Accessible.
Site: 70.
Volume: 100% fir.
Diameters: Maximum 36 inches, average 20 inches.
Defects: Fire scar, buttrot, shake and limbiness.
Average haul of 10 miles to the lake.

Yellow Pine 14 M per acre 600 acres
Accessible.
Site: Yellow pine valley; fir 80.
Volume: Yellow pine 83%; fir 17%.
Diameters: Yellow pine maximum 44 inches, average 24 inches.
Fir maximum 34 inches, average 22 inches.
Defects: Yellow pine - fire scar, insect damage and dead tops.
Fir - fire scar, shake and limbiness.
Remarks: This stand is over-mature and is ripe for cutting. By taking a light cut this stand can be put in a good growing condition and the high beetle hazard eliminated. The area is traversed by a road and the slopes are easy. A very good logging chance. 8 mile haul to the lake. Privately held timber.

Other Areas

Yellow Pine-Fir Selectively Logged 1935-38 450 acres
Good stand of yellow pine fir which has been logged between 1935 and 1938. Well stocked with advance growth.

Lodgepole Pine 1891 970 acres
Well stocked stand with patches of 1857 seed trees.

Compartment 41

Main Area

Fir-Yellow Pine Logged 1,690 acres
Site: Yellow pine medium; fir 60.
Density: Yellow pine 50 trees per acre.
Fir 45 trees per acre.
Potential Use: Sawlogs and cordwood.
Remarks: The area is rough and broken, 25% rock and scrub. There is considerable poor quality fir in the stand.
Mature Areas

<table>
<thead>
<tr>
<th>Description</th>
<th>Acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow Pine (Fir Cordwood) 2.3 M per acre</td>
<td>270</td>
</tr>
<tr>
<td><strong>Accessible.</strong></td>
<td></td>
</tr>
<tr>
<td>Site: Yellow pine medium; fir 60.</td>
<td></td>
</tr>
<tr>
<td>Volume: Yellow pine 97%; fir 3%.</td>
<td></td>
</tr>
<tr>
<td>Diameters: Yellow pine maximum 30 inches, average 22 inches.</td>
<td></td>
</tr>
<tr>
<td>Defects: Yellow pine - buttrot, toprot and fire scar.</td>
<td></td>
</tr>
<tr>
<td>Fir-Yellow Pine 2.6 M per acre</td>
<td>780</td>
</tr>
<tr>
<td><strong>Accessible.</strong></td>
<td></td>
</tr>
<tr>
<td>Site: Yellow pine medium; fir 60.</td>
<td></td>
</tr>
<tr>
<td>Volume: Yellow pine 32%; fir 67%.</td>
<td></td>
</tr>
<tr>
<td>Diameters: Yellow pine maximum 36 inches, average 24 inches. Fir maximum 36 inches, average 26 inches.</td>
<td></td>
</tr>
<tr>
<td>Defects: Yellow pine - buttrot and fire scar.</td>
<td></td>
</tr>
<tr>
<td>Fir - fire scar, shake and limbiness.</td>
<td></td>
</tr>
<tr>
<td>Remarks: This type occurs on the ridge above the lake. The yellow pine trees are large and scattered. This area is very steep and broken by small draws.</td>
<td></td>
</tr>
<tr>
<td>Yellow Pine-Fir 3.3 M per acre</td>
<td>240</td>
</tr>
<tr>
<td><strong>Accessible.</strong></td>
<td></td>
</tr>
<tr>
<td>Site: Yellow pine medium; fir 50.</td>
<td></td>
</tr>
<tr>
<td>Volume: Yellow pine 60%; fir 40%.</td>
<td></td>
</tr>
<tr>
<td>Diameters: Yellow pine maximum 34 inches, average 20 inches. Fir maximum 26 inches, average 20 inches.</td>
<td></td>
</tr>
<tr>
<td>Defects: Yellow pine - buttrot and fire scars.</td>
<td></td>
</tr>
<tr>
<td>Fir - fire scars and shake.</td>
<td></td>
</tr>
<tr>
<td>Remarks: Good stand of yellow pine on a steep sidehill above Wilson's Landing.</td>
<td></td>
</tr>
<tr>
<td>Yellow Pine-Fir 3.3 M per acre</td>
<td>180</td>
</tr>
<tr>
<td>Similar to above type. Very steep and rocky slopes.</td>
<td></td>
</tr>
<tr>
<td>Yellow Pine-Fir Cordwood 2.4 M per acre</td>
<td>340</td>
</tr>
<tr>
<td>This type similar to above type, but has been partly burned in 1931. It is situated on a steep sidehill above the lake. Area broken by rock outcrops.</td>
<td></td>
</tr>
</tbody>
</table>
Other Areas

**Yellow Pine-Fir Selectively Logged 25% Scrub** 280 acres
This type is well stocked, was logged between 1932 and 1935. The area is broken by patches of scrub.

The remaining productive area consists of many small types some mature and the rest mostly logged but well restocked. The compartment is very steep and broken resulting in many small types.

**Compartment 42**

**Main Area**

**Yellow Pine (Fir Cordwood) Selectively Logged** 760 acres
Accessible.

Site: Yellow pine medium.

Density: Yellow pine 300 trees per acre) Largely under 7
Fir cordwood 310 trees per acre) inches diameter.

Potential Use: Sawlogs and cordwood.

Remarks: Excellent logging conditions. Moderate to steep slopes. Scattered rock, open, little windfall.
The entire area is broken up by numerous draws running down to the lake. Cut in trees per acre: yellow pine 8.4 and fir 0.64 - average diameter 20 inches.

**Other Areas**

**Yellow Pine Selectively Logged** 920 acres
Accessible.

Site: Yellow pine medium.

Density: Yellow pine 620 trees per acre.
Fir cordwood 40 trees per acre.

Potential Use: Sawlogs.

Remarks: Excellent logging conditions. Easy to moderate slopes. Country more even - less rock. Cut in trees per acre: yellow pine 13 and fir 0.64. Parts of this area are suitable for farms, other parts for farm woodlots.

**Yellow Pine Selectively Logged** 150 acres
Accessible.

Site: Yellow pine medium.
Density: Yellow pine 540 trees per acre.  
Fir cordwood 150 trees per acre.
Potential Use: Excellent logging conditions. Moderate slopes, rough rocky terrain. Cut in trees per acre: yellow pine 8.0 and fir 0.57.

Yellow Pine Selectively Logged Semi-Open Range 280 acres
Accessible.
Site: Yellow pine short.
Density: Yellow pine 70 trees per acre.
Potential Use: Sawlogs.
Remarks: Excellent logging conditions. Easy to moderate slopes. Area a series of small steep draws. Cut to the present - yellow pine 10 trees per acre.

Compartment 43A

Main Area

Yellow Pine (Fir Cordwood) Selectively Logged 1,790 acres
Accessible.
Site: Yellow pine medium.
Density: Yellow pine 320 trees per acre.  
Fir cordwood 640 trees per acre.
Potential Use: Sawlogs and cordwood.

Other Areas

Yellow Pine Selectively Logged 150 acres
Accessible.
Site: Yellow pine medium.
Density: Yellow pine 810 trees per acre.  
Fir cordwood 40 trees per acre.
Potential Use: Sawlogs.
Remarks: Excellent logging conditions. Easy slopes and flats. No rock. Cut in trees per acre: yellow pine 8.7 and fir 2.3.
Yellow Pine Selectively Logged
190 acres

Accessible.
Site: Yellow pine medium.
Density: Yellow pine 530 trees per acre.
Fir cordwood 40 trees per acre.
Potential Use: Sawlogs.

Other areas include 130 acres of not stocked burn south and west of Ellison Lake, 190 acres of selectively logged yellow pine in the cultivated areas near Long Lake.

Compartment 43B

Main Area

Fir 6.4 M per acre
850 acres

Accessible.
Site: Yellow pine medium; fir 90.
Volume: Yellow pine 4%; fir 96%.
Diameters: Fir maximum 32 inches, average 20 inches.
Defects: Fir - crook, buttrot, fire scar, ring shake.
Remarks: Good logging conditions. Moderate slope, medium reproduction, little underbrush, some rock, light windfall.

Mature Areas

Yellow Pine-Fir (Fir Cordwood) 3.4 M per acre, Part-Logged
430 acres

Accessible.
Site: Yellow pine tall; fir 90.
Volume: Yellow pine 76%; fir 24%.
Diameters: Yellow pine maximum 36 inches, average 24 inches. Fir maximum 34 inches, average 22 inches.
Defects: Yellow pine - limbyness, fire scars.
Fir - buttrot, limbyness, fire scars.
Remarks: Good logging conditions. Moderate slopes, medium reproduction, light windfall, little rock. Cut in trees per acre: yellow pine 0.4.
Fir 3.6 M per acre, Part-Logged 240 acres
Accessible.
Site: Yellow pine medium; fir 80.
Volume: Yellow pine 18%; fir 82%.
Diameters: Yellow pine maximum 32 inches, average 24 inches.
Fir maximum 28 inches, average 18 inches.
Defects: Fire scars, buttrot, crook, limbyness.
Remarks: Good logging conditions. Moderate slopes, little reproduction, light windfall, no underbrush, little rock.

Fir Cordwood (Yellow Pine) 1.5 M per acre, Part-Logged 90 acres
Accessible.
Site: Yellow pine medium.
Volume: Yellow pine 100%.
Remarks: Good logging conditions. Topography similar to that in rolling open range.

Spruce 6.0 M per acre 120 acres
Accessible.
Site: Good.
Remarks: A clean, fast growing stand running 65% in spruce. Topography excellent for logging.

Other Areas

Fir-Spruce-Lodgepole Pine 1856, Fir-Spruce 5.0 M per acre 1,040 acres
Accessible.
Site: Good.
Density: Fir 320 trees per acre) 0 and 2 inch Spruce 160 trees per acre) diameter classes Balsam 70 trees per acre) omitted - largely fir, Lodgepole pine 250 trees per acre) spruce and balsam.
Potential Use: Fir and spruce sawlogs.
Remarks: Good logging conditions. Moderate slopes, thick reproduction, little rock. This area has a good volume of small merchantable fir and spruce running 5.0 M per acre.

Fir Selectively Logged 290 acres
Accessible.
Site: Good.
Density: Fir 720 trees per acre.
Potential Use: Sawlogs and cordwood.
Remarks: Good logging conditions. Area somewhat rocky, moderately steep and fairly open. Fir cut, 15 trees per acre.

Fir Selectively Logged
Accessible.
Site: Fair.
Density: Yellow pine 10 trees per acre) 0 and 2 inch diameter
Fir 50 trees per acre ) classes omitted.
Potential Use: Sawlogs and cordwood.
Remarks: Good logging conditions. Moderate broken up slope, yellow pine and fir 0 and 2 inch trees total 40 and 80 per acre respectively. Cut in trees per acre; fir 14 and yellow pine 2.7.

Yellow Pine Selectively Logged
Accessible.
Site: Fair.
Density: Yellow pine 110 trees per acre; good distribution above 8 inches.
Potential Use: Sawlogs.

Other areas include large types of immature lodgepole pine, fir and spruce in the back of the compartment, several small mature types; and 230 acres of selectively logged yellow pine and fir on the lake shore.

Compartment 43C

Main Area

Yellow Pine Selectively Logged
Accessible.
Site: Yellow pine medium.
Density: Yellow pine 230 trees per acre (0 and 2 inch trees = 450 per acre).
Potential Use: Sawlogs.
Remarks: Excellent logging conditions. Easy slopes. No rock bluffs or outcrops. Cut in trees per acre: yellow pine 3.4 and fir cordwood 0.2.
Mature Areas

**Yellow Pine 1.8 M per acre**

Accessible.
Site: Yellow pine medium.
Volume: Yellow pine 100%.
Diameters: Yellow pine maximum 28 inches, average 16 inches.
Defects: Yellow pine - limbiness.

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**Yellow Pine 1.7 M per acre**

Accessible.
Site: Yellow pine short.
Volume: Yellow pine 100%.
Diameters: Yellow pine maximum 24 inches, average 16 inches.
Defects: Yellow pine - limbiness, crook, deadtop.

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**Yellow Pine 0.3 M per acre, Part-Logged, Semi-Open Range**

Accessible.
Site: Yellow pine short.
Volume: Yellow pine 100%.
Diameters: Yellow pine maximum 22 inches, average 16 inches.
Defects: Limbiness, heartrot, buttrot.
Remarks: Fair logging conditions. Steep slope with numerous draws, good soil, little rock. Area has been partly logged on the lower slopes only. Nearly all the north exposures of the draws have a dense cover of small fir cordwood and brush.

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**Yellow Pine (Fir Cordwood) 0.8 M per acre**

Accessible.
Site: Yellow pine medium.
Volume: Yellow pine 100%.
Diameters: Yellow pine maximum 24 inches, average 16 inches.
Defects: Yellow pine - buttrot.
Remarks: Good to fair logging conditions. Steep to moderate slopes. Some rock outcrops and ledges.
Compartment 43D

Main Area

Open Range 3,900 acres
Rolling country with moderate to steep slopes, little rock and practically no brush. The whole area is excellent for early spring grazing. Scattered throughout are 80 acres of rock, 20 acres of scrub, 50 acres of brush and some 470 acres of cultivated land.

Mature Areas

Yellow Pine (Fir Cordwood) 0.9 M per acre 240 acres
Accessible.
Site: Yellow pine short.
Volume: Yellow pine 100%.
Defects: Yellow pine - heartrot.

Yellow Pine (Fir Cordwood) 0.2 M per acre, Semi-
Open Range 220 acres
Accessible.
Site: Short.
Remarks: A very scattered stand of low quality yellow pine on steep slopes. Poor logging conditions.

Other Areas

Yellow Pine Selectively Logged 330 acres
Accessible.
Site: Fair.
Density: Yellow pine 130 trees per acre.
Potential Use: Sawlogs.

Fir Cordwood (Yellow Pine) Selectively Logged 280 acres
Accessible.
Site: Good.
Density: Yellow pine 10 trees per acre) 0 inch diameter Fir cordwood 100 trees per acre) class omitted.
Potential Use: Cordwood and sawlogs.
Remarks: See type above. Cut: yellow pine 7.3 trees per acre, average diameter of 20 inches.
Compartments 43E

Main Area

Yellow Pine-Fir 2.6 M per acre, 20% Scrub & Rock 750 acres
Accessible.
Site: Yellow pine medium; fir 70.
Volume: Yellow pine 67%; fir 33%.
Diameters: Yellow pine maximum 40 inches, average 18 inches.
Fir maximum 22 inches, average 16 inches.
Defects: Fire scars, buttrot, ring shake and crook.
Remarks: Poor logging conditions. Steep rocky slopes - rock slides etc. - parts of the area are inaccessible for all practical purposes. Timber in poor condition.

Mature Areas

Fir 3.4 M per acre, 20% Scrub 570 acres
Accessible.
Site: Yellow pine medium; fir 80.
Volumes: Yellow pine 4%; fir 94%; cedar 2%.
Diameters: Fir maximum 30 inches, average 18 inches.
Defects: Fire scar, ring shake.
Remarks: Poor logging conditions. Steep rocky slopes - rock slides, etc. Upper elevations inaccessible for practical logging. Timber in fair condition.

Yellow Pine (Fir Cordwood) 2.3 M per acre 470 acres
Accessible.
Site: Yellow pine short.
Volumes: Yellow pine 100%.
Diameters: Yellow pine maximum 28 inches, average 20 inches.
Defects: Crook, buttrot, limbness.

Fir (Fir Cordwood) 1.8 M per acre 160 acres
Accessible.
Site: Yellow pine medium; fir 60.
Volumes: Yellow pine 14%; fir 86%.
Diameters: Fir maximum 26 inches, average 18 inches.
Defects: Fire scar, ring shake, crook and limbness.
Remarks: Good logging conditions. Moderate slopes - rocky soil.
Fir-Yellow Pine 1.5 M per acre
Accessible.
Site: Fair.

Yellow Pine (Fir Cordwood) 0.7 M per acre
30% Scrub and Rock
Accessible.
Site: Poor.

Other Areas

Yellow Pine Selectively Logged
Accessible.
Site: Fair.
Density: Yellow pine 70 trees per acre (0 inch diameter class omitted).
Potential Use: Sawlogs.
Remarks: Good logging chance. Flat country. Area is actually satisfactorily stocked and not insufficiently stocked as indicated above.

Yellow Pine (Fir Cordwood) Logged Semi-Open Range 140 acres
See Compartment 49.

Compartment 43F

Main Area

Larch-Fir 15 M per acre
Accessible.
Site: Fir 90; larch II; spruce 80.
Volumes: Fir 45%; larch 32%; spruce, balsam, cedar = 5%.
Diameters: Fir maximum 32 inches, average 20 inches.
Larch maximum 38 inches, average 24 inches.
Defects: Fir - crook, limbiness, ring shake, fire scars.
Larch - buttrot, heartrot, firescars.
Remarks: Fair to good logging conditions. Slopes moderate to steep. Reproduction heavy - scattered rock outcrops and escarpments. Timber remarkably clear and dense.
Mature Areas

Yellow Pine-Fir 3.1 M per acre, Part-Logged 320 acres
Accessible.
Site: Yellow pine short; fir 80.
Volume: Yellow pine 57%; fir 43%.
Diameters: Yellow pine maximum 24 inches, average 18 inches.
            Fir maximum 18 inches, average 14 inches.
Defects: Fire scars, crock and ring shake.
Remarks: Good logging conditions. Moderate slope. Rocky but not badly broken up. Medium windfall and small patches of scrub.

Fir 3.5 M per acre 480 acres
Accessible.
Site: Yellow pine medium; fir 80; larch II.
Volumes: Yellow pine 16%; fir 82%; larch 2%.
Diameters: Yellow pine maximum 28 inches, average 22 inches.
            Fir maximum 28 inches, average 20 inches.
Defects: Fire scars, ring shake and heartrot.

Fir-Cedar 10 M per acre 130 acres
Accessible.
Site: Fir 70; larch II; spruce 80.
Volumes: Fir 55%; larch 3%; spruce 10%; balsam 2%;
         cedar 32%.
Diameters: Fir maximum 46 inches, average 24 inches.
            Spruce maximum 20 inches, average 16 inches.
            Cedar maximum 26 inches, average 16 inches.
Defects: Cedar - heartrot, catface.
Remarks: Fair logging conditions. Steep slopes. Rock outcrops etc. Soil rich and deep. Cedar appears to be of good quality considering the locality.

Fir-Spruce 9.4 M per acre 260 acres
Accessible.
Site: Fir 100; spruce 120.
Volumes: Fir 59%; spruce 33%; balsam 6%; lodgepole pine 2%.
Diameters: Fir maximum 46 inches, average 24 inches.
            Spruce maximum 20 inches, average 14 inches.
Defects: Buttrot, crock, limbiness, catface.
Fir 27 M per acre
Accessible.
Site: Fir 100.
Volume: Fir 96%; other species 4%.
Remarks: Fair to poor logging conditions - steep slopes. This type isolated and difficult to reach.

Other Areas

Fir-Yellow Pine Selectively Logged
Accessible.
Site: Good.
Density: Yellow pine 10 trees per acre) 0 and 2 inch
Fir 170 trees per acre ) diameter
Larch 10 trees per acre ) classes omitted.
Potential Use: Sawlogs and cordwood.
Remarks: Good logging conditions. Moderate slopes. Scattered rock outcrops - light windfall - no underbrush - little reproduction. 9 trees per acre cut.

Other areas in the compartment include 500 acres of mature timber scattered throughout; 2,070 acres of fir and lodgepole pine immature stands on the higher elevations; 110 acres of a 1923 burn.

Compartment 44A

Main Area

Fir-Lodgepole Pine 1694
Accessible.
Site: Good.
Density: Fir 170 trees per acre ) 0 and 2 inch
Larch 60 trees per acre ) diameter
Lodgepole pine 20 trees per acre ) classes omitted.
Potential Use: Sawlogs and ties.
Remarks: Good logging conditions. Moderate to steep slopes, heavy windfall, little underbrush, scattered rock.

Mature Areas

Spruce 9.2 M per acre
Accessible.
Site: Spruce 100; lodgepole pine 80.
Volume: Spruce 85%; balsam 10%; lodgepole pine and cedar 5%.

Diameters: Spruce maximum 24 inches, average 16 inches.
          Balsam maximum 18 inches, average 14 inches.

Defects: Spruce - heartrot, limbiness.
         Balsam - heartrot.

Remarks: Good logging conditions. Flat country, medium windfall, no rock, little underbrush. The spruce is quite healthy and fast growing.

Lodgepole Pine-Spruce 8.3 M per acre 290 acres

Accessible.

Site: Spruce 100; lodgepole pine 90.

Volume: Spruce 45%; balsam 2%; lodgepole pine 53%.

Diameters: Spruce maximum 18 inches, average 14 inches.
          Lodgepole pine maximum 18 inches, average 14 inches.

Defects: Spruce - buttrot.
         Lodgepole pine - heartrot.

Remarks: See above type. Slopes moderate.

Fir 7.5 M per acre 610 acres

Accessible.

Site: Fir 100; spruce 100; lodgepole pine 70.

Volume: Fir 76%; spruce 15%; lodgepole pine 1%; cedar 5%;
         aspen 2%.

Diameters: Fir maximum 32 inches, average 20 inches.
          Spruce maximum 22 inches, average 16 inches.

Defects: Crock, limbiness, ring shake, buttrot, fire scar,
         heartrot.

Remarks: Good logging conditions. Moderate to steep slopes,
         little underbrush, heavy reproduction, scattered rock
         outcrops. Fir better than average.

Fir (Fir Cordwood) 2.0 M per acre 350 acres

Accessible.

Site: Yellow pine medium; fir 80.

Volume: Yellow pine 18%; fir 82%.

Diameters: Yellow pine maximum 20 inches, average 14 inches.
          Fir maximum 22 inches, average 14 inches.

Defects: Fir - limby, ring shake.

Remarks: Good logging conditions. Moderate slopes, little
         underbrush, light windfall. Fir comparatively free of
defect. Sawlog and cordwood area.
Fir-Yellow Pine (Fir Cordwood) 3.0 M per acre 130 acres
Accessible.
Site: Fair.
Volume: Yellow pine 33%; fir 67%.
Remarks: This area is in a creek bottom - is densely treed but much of the fir is suitable for cordwood only. Volumes estimated.

Other Areas

Fir Cordwood Selectively Logged 810 acres
Accessible.
Site: Good.
Density: Fir 60 trees per acre.
Cedar 20 trees per acre.
Fir cordwood 10 trees per acre.
Potential Use: Sawlogs and cordwood.
Remarks: Good logging conditions. Moderate slopes, scattered rock - fairly open stand. Diameters run up to 30 inches - many of the trees are 8 inches and up.

Yellow Pine-Fir Selectively Logged 360 acres
Accessible.
Site: Good.
Density: Yellow pine 220 trees per acre.
Fir 130 trees per acre.
Potential Use: Sawlogs and cordwood.
Remarks: Good logging conditions. Moderate slopes, no rock. Much of the small fir will probably develop as cordwood.

Yellow Pine Selectively Logged, Semi-Open Range 210 acres
Accessible.
Site: Fair.
Remarks: This type is, for the most part on the fan delta of Vernon Creek. The slopes are easy and even and devoid of large rocks.

Other types include the large areas of immature lodgepole pine and spruce on the higher elevations near Beaver Lake, and the scattered selectively logged fir and yellow pine areas on the lower elevations.
Compartment 443

Main Area

Lodgepole Pine 1855

Accessible.

Site: Good.

Density:
- Fir 10 trees per acre
- Spruce 60 trees per acre
- Balsam 10 trees per acre
- Lodgepole pine 320 trees per acre

4,490 acres

Potential Use: Sawlogs and pulpwood.

Remarks: Flat to rolling country. The soil in the draws and flats is rich and loamy; on the ridges, sandy and rocky. This stand is thrifty and shortly will become of merchantable size. At present there is little defect.

Mature Areas

Spruce-Lodgepole Pine 10 M per acre

1,130 acres

Accessible.

Site: Spruce 80; other species good.

Volume: Spruce 54%; balsam 2%; lodgepole pine 44%.

Diameters:
- Spruce maximum 28 inches, average 16 inches.
- Lodgepole pine maximum 20 inches, average 14 inches.

Defects:
- Spruce - limby, crook, catface, forked top.
- Lodgepole pine - limby, crook, catface, forked top.

Remarks: Good logging conditions. Gentle slopes. Good reproduction, light windfall, little underbrush. Soil in general is fairly rich. Trees in general have poor form but suffer little from decay. Good pulp stand.

Spruce 5.6 M per acre

130 acres

Accessible.

Site: Spruce 80.

Volume: Spruce 85%; balsam 14%; lodgepole pine 3%.

Diameters:
- Spruce maximum 28 inches, average 16 inches.
- Balsam maximum 20 inches, average 14 inches.

Defects:
- Spruce - heartrot.
- Balsam - heartrot, frost splits and catface.

Remarks: See previous type. Trees have good form and may be cut for sawtimber and pulpwood.
Spruce-Lodgepole Pine 3.6 M per acre 250 acres
Accessible.
Site: Spruce 80.
Volume: Spruce 64%; balsam 4%; lodgepole pine 32%.
Diameters: Spruce maximum 20 inches, average 14 inches.
Lodgepole pine maximum 16 inches, average 12 inches.
Defects: Spruce - deformities in shape.
Lodgepole pine - buttrot, catface.
Remarks: See mature type of 1,150 acres. High cull on the
spruce because of excessive deformities in shape.
Largely a pulp stand.

Spruce-Lodgepole Pine 8.2 M per acre 160 acres
Accessible.
Site: Spruce 60; lodgepole pine 80.
Volume: Spruce 61%; balsam 13%; lodgepole pine 26%.
Diameters: Spruce maximum 28 inches, average 16 inches.
Balsam maximum 16 inches, average 14 inches.
Lodgepole pine maximum 14 inches, average 12 inches.
Defects: Spruce - limbyness.
Lodgepole pine - catface.
Remarks: Good logging conditions. Gentle slopes and flats.
Clean timber suitable for both sawlogs and pulpwood.

Other Areas

The bulk of the remaining area is composed largely of
immature stands of lodgepole pine the bulk of which are
well stocked and on good growing sites.

Compartment 45

Main Area

Yellow Pine Selectively Logged 2,000 acres
Accessible.
Site: Good.
Density: Yellow pine 140 trees per acre (plus 480 0 and 2
inch trees).
Potential Use: Sawlogs.
Remarks: Excellent logging conditions. Easy to moderate
slopes - little rock. Cut in trees per acre:
yellow pine 8.7, and fir 0.8.
### Mature Areas

**Fir Cordwood, Part-logged**

- **Accessible:**
- **Site:** Good.
- **Remarks:** Good logging conditions. Moderate slopes. Scattered rock outcrops. Stand composed entirely of dense fir, closely grown but pitchy and full of ring shake.
- **270 acres**

**Yellow Pine 2.0 M per acre**

- **Accessible:**
- **Site:** Yellow pine short.
- **Volume:** Yellow pine 100%.
- **Defects:** Yellow pine - crook, limbiness, buttrot.
- **Remarks:** Excellent logging conditions. Gentle to moderate slopes. Scattered patches of logging.
- **110 acres**

### Other Areas

**Yellow Pine (Fir Cordwood) Selectively Logged**

- **Accessible:**
- **Site:** Fair.
- **Density:**
  - Yellow pine 80 trees per acre
  - Fir cordwood 40 trees per acre
- **Potential Use:** Sawlogs, cordwood.
- **Remarks:** Excellent logging conditions. Easy to moderate slopes - little rock. The logging road through the upper elevations of this type and continued down to Section 27, Township 20 has been put in from strip data only. Cut in trees per acre: yellow pine 4.7 average diameter 24 inches and fir cordwood 1.4 average diameter 20 inches.
- **1,060 acres**

### Compartment 46

### Main Area

**Yellow Pine (Fir Cordwood) SelectivelyLogged**

- **Accessible:**
- **Site:** Fair to good.
- **Density:**
  - Yellow pine 40 trees per acre.
  - Fir cordwood 150 trees per acre.
- **Potential Use:** Sawlogs and cordwood.
- **Remarks:** Excellent logging conditions. Topography varies from flats with good soil through moderate slopes and broken up rock bluffs to steep talus slopes. Growth is slow for yellow pine, but the trees produced are free from most defects.
- **1,680 acres**
Mature Areas

Fir Cordwood, Part-logged

Accessible.
Site: Fair.
Remarks: Good logging conditions. Moderate slopes. A dense stand of rather small fir, full of pitch pockets and ring shake - suitable only for cordwood.

Yellow Pine (Fir Cordwood) 3.5 M per acre

Accessible.
Site: Yellow pine medium.
Volume: Yellow pine 100%.
Diameters: Yellow pine maximum 38 inches, average 22 inches.
Defects: Crook, limbyness.
Remarks: Good logging conditions. Gentle slope to flat country. Little rock. The bulk of this timber is on a flat or bench which is easily accessible. The yellow pine is a little more defective than usual. Fir cordwood constitutes the bulk of the trees but not the bulk of the volume.

Yellow Pine (Fir Cordwood) 2.2 M per acre

Accessible.
Site: Yellow pine medium.
Volume: Yellow pine 100%.
Diameters: Yellow pine maximum 38 inches, average 22 inches.
Defects: Crook, limbyness, buttrot, fire scars, dead tops.
Remarks: Good logging conditions. Broken up rocky country; patches of scrub throughout.

Fir Cordwood

Accessible.
Site: Poor.
Remarks: Area spread out - largely on steep slopes with northern or northwestern exposure, covered entirely with a dense stand of small cordwood fir.

Other Areas

Fir Cordwood Selectively Logged

Accessible.
Site: Good.
Density: Yellow pine 10 trees per acre) 0 and 2 inch
Fir cordwood 130 trees per acre) diameter class
omitted.

Potential Use: Fir cordwood and sawlogs (yellow pine).

Remarks: Fair logging conditions. Area steep and
broken up with numerous rock outcrops. Cut
in trees per acre: yellow pine 1.3 averaging
20 inches, and fir cordwood 11.0 averaging
16 inches.

Yellow Pine Selectively Logged
Accessible:
Site: Good.
Density: Yellow pine 250 trees per acre - 0 and 2 inch
diameter classes omitted.

Potential Use: Sawlogs.
Remarks: Good logging conditions. Moderate slopes.
Scattered rock outcrops. Cut to the present:
yellow pine 7.1 trees per acre, average diameter
24 inches.

Yellow Pine Selectively Logged
Accessible:
Site: Good.
Density: Yellow pine 440 trees per acre) 0 and 2 inch diameter
Fir cordwood 20 trees per acre) classes omitted.

Potential Use: Sawlogs.
Remarks: See type above. Cut: yellow pine 9.8 trees per
acre, average diameter 20 inches.

Compartments 47

Main Area

Open Range

This large area stretches along the east slope of the
hills to the west of Vernon from the north end of Swan
Lake down to the point dividing Okanagan Lake in two.
There are a few acres of brush and aspen scattered
throughout.

Mature Areas

North of Swan Lake lies a 40 acre patch of cottonwood
2.0 M per acre with estimated volumes of yellow pine
15%, fir 15% and cottonwood 60%. Along the ridge to
the west of Vernon, surrounded by open range, are
scattered 340 acres of fir cordwood and fir 1873. This
latter type will quickly develop into mature cordwood.
Other Areas

Other than immature or selectively logged stands of yellow pine and fir in, and to the east of Vernon, and of yellow pine and fir cordwood on the extreme south of the ridge to the west of Vernon, there is practically no true forest cover.

Compartment 48

Main Area

Open Range

This area has a northwestern exposure, steep slopes, much brush and numerous rock outcrops. On the whole it is not to be compared with the grazing land on the east side.

Mature Area

Yellow Pine (Fir Cordwood) 2.5 M per acre

<table>
<thead>
<tr>
<th>Accessible.</th>
<th>Site: Yellow pine medium.</th>
</tr>
</thead>
</table>
| Volume: Yellow pine 100%.
| Diameters: Yellow pine maximum 30 inches, average 20 inches.
| Defects: Yellow pine - crook, limbiness, heartrot. |
| Remarks: Fair logging conditions. Moderate to steep slopes - many rock outcrops. |

Part-burned 1920 130 acres

Yellow Pine (Fir Cordwood) 3.6 M per acre

<table>
<thead>
<tr>
<th>Accessible.</th>
<th>Site: Yellow pine medium.</th>
</tr>
</thead>
</table>
| Volume: Yellow pine 98%; fir 2%.
| Diameters: Yellow pine maximum 32 inches, average 18 inches.
| Defects: Yellow pine - crook, limbiness, heartrot. |
| Remarks: Excellent logging conditions. Gentle slopes, few rock outcrops. Area has already been logged along the shore. |

60 acres

Scattered throughout the compartment are 300 acres of fir cordwood.
Other Areas

At the south end of the compartment are 600 acres of immature or selectively logged stands of yellow pine and fir cordwood. All have been burned by ground fires and all are thinly stocked. Adjacent and higher up the slopes are 170 acres of burn 1920 which as yet are covered only with brush.

Compartment 49

Main Area

Lodgepole Pine 1885
Accessible.
Site: Good.
Density: Spruce 140 trees per acre; 0 and 2 inch Balsam 110 trees per acre; diameter classes Lodgepole pine 320 trees per acre; omitted.
Potential Use: Pulpwood.
Remarks: Good logging conditions. Easy slopes, little rock, no windfall. This area is composed of a large number of closely related age classes averaging 1885. The stand is well stocked and clean growing.

Mature Areas

Fir 15 M per acre
Accessible.
Site: Yellow pine tall; fir 100.
Volume: Yellow pine 10%; fir 90%.
Diameters: Yellow pine maximum 36 inches, average 22 inches. Fir maximum 52 inches, average 22 inches.
Defects: Fir - ring shake, buttrot, heartrot, insect infestation.
Remarks: Good logging conditions. Moderate slopes, little underbrush, medium reproduction, some rock bluffs. Some of the original stand is dead but the living timber is comparatively clear of defect, although at present it is suffering from insect attack. 10% of area is fir-lodgepole pine 1884.
Fir-Spruce 18 M per acre

Accessible.
Site: Fir 100; spruce 100.
Volume: Fir 72%; spruce 22%; balsam 4%; lodgepole pine 2%.
Diameters: Fir maximum 34 inches, average 22 inches.
Spruce maximum 24 inches, average 16 inches.
Defects: Fir - crock, buttrot, fire scar, limbiness.
Spruce - buttrot, limbiness.
Remarks: Good logging conditions. Moderate slopes, medium reproduction, good soil, heavy windfall. Stand both mature and decadent trees - some scattered aspen.

Cedar-Cottonwood 20 M per acre

Accessible.
Site: Very good.

Fir 9.3 M per acre

Accessible.
Site: Fir 90; spruce 80.
Volume: Fir 83%; spruce 12%; balsam and lodgepole pine 5%.
Diameters: Fir maximum 28 inches, average 18 inches.
Spruce maximum 20 inches, average 16 inches.
Defects: None visible.
Remarks: Fair logging conditions. Moderate but rocky slopes. Clean highgrade fir is general throughout.

Other Areas

Yellow Pine Selectively Logged

Accessible.
Site: Fair.
Density: Yellow pine 120 trees per acre.
Fir 120 trees per acre.
Potential Use: Sawlogs.
Remarks: Good logging conditions. Moderate slopes.
Yellow pine spread over a large diameter range, fir almost entirely 0 and 2 inch trees.
Yellow Pine—Fir Logged 40% Semi-Open Range 320 acres
Accessible.
Site: Good.
Remarks: Good logging condition. Steep slopes.
Trees cut per acre = 13, average diameter 24 inches. Area not restocking satisfactorily.

Yellow Pine Selectively Logged 180 acres
Accessible.
Site: Good.
Remarks: Excellent logging condition. Moderate slopes.
This area produces an almost pure stand of fast growing yellow pine.

Yellow Pine (Fir Cordwood) Logged.
Semi-Open Range 240 acres
Accessible.
Site: Good.
Density: Yellow pine 10 trees per acre (up to 28 inches)
Fir and fir cordwood 10 trees per acre (up to 28 inches).
Potential Use: Possibly sawlogs.

Other areas include approximately 3,500 acres of lodgepole pine, spruce and fir immature types in the back of the compartment; miscellaneous fir and yellow pine selectively logged areas at the lower elevations; and scattered small patches of mature lodgepole pine, spruce and fir.

Compartment 50

Main Area

Fir—Larch 3.6 M per acre 1,850 acres
Accessible.
Site: Yellow pine medium; fir 60; larch III.
Volume: Yellow pine 14%; fir 42%; larch 39%; cedar 5%.
Diameters: Yellow pine maximum 36 inches, average 24 inches.
Fir maximum 34 inches, average 22 inches.
Larch maximum 32 inches, average 22 inches.
Defects: Yellow pine – buttrot, crook, limbiness.
Fir – buttrot, shake, crook, limbiness.
Larch – buttrot, shake, pitch pockets.
Remarks: Larch is decadent. The yellow pine is mostly large trees but very scattered. The area is a very steep sidehill sloping down to the lake.

Mature Areas

<table>
<thead>
<tr>
<th>Tree Type</th>
<th>Density</th>
<th>Volume</th>
<th>Diameters</th>
<th>Defects</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fir 5.6 M per acre</td>
<td>Accessible</td>
<td>Site: Yellow pine medium; fir 80.</td>
<td>Volume: Yellow pine 4%; fir 94%; lodgepole pine 2%.</td>
<td>Diameters: Fir maximum 34 inches, average 20 inches.</td>
<td>Defects: Fir limbyness, buttrot and crook.</td>
</tr>
<tr>
<td>Fir 9.6 M per acre</td>
<td>See compartment 81A.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Other areas

Yellow Pine-Fir Selectively Logged

| Site: Yellow pine medium. | Density: Yellow pine 135 trees per acre, mostly zeros but with diameters up to 18 inches represented. Fir 125 trees per acre. |
| Potential Use: Sawlogs and box lumber. |
| Remarks: 6.9 yellow pine and 3.4 fir per acre logged from area. Type is just above the lake road. Patches of rock outcrops. |

Yellow Pine-Fir Logged

| Site: Yellow pine medium; fir 60. | Density: Yellow pine 30 trees per acre. Fir 60 trees per acre, mostly zeros and twos. |
| Potential Use: Sawlogs and box lumber. |
| Remarks: Type extends along the main road south of Nahun. Very rocky broken country. The slash has been burned on this area which has been logged twice. 6.5 yellow pine trees per acre and 4.7 fir have been logged. |
Compartment 51A

Main Area

Yellow Pine-Fir 3.0 M per acre 770 acres
Accessible. Main highway through the area.
Site: Yellow pine medium; fir 60.
Volume: Yellow pine 60%; fir 20%.
Diameters: Yellow pine maximum 40 inches, average 22 inches.
           Fir maximum 32 inches, average 14 inches.
Defects: Yellow pine - few large trees limby.
         Fir - buttrot, fire scar, limby.
Remarks: Rolling country broken up by draws and ridges.
         1700 feet to 2200 feet elevation. Logged very
         lightly in a few scattered patches. Fir
         damaged by fire and then infected by buttrot.
         Poor fir on exposed areas. Considerable cord-
         wood.

Mature Areas

Fir 9.6 M per acre 1,070 acres
Accessible. Logging road through the area.
Site: Fir 90; larch II; spruce 80; lodgepole pine 60.
Volume: Fir 92%; larch 3%; spruce 2%; cedar 3%.
Diameters: Fir maximum 36 inches, average 18 inches.
           Larch maximum 26 inches, average 16 inches.
           Spruce maximum 26 inches, average 14 inches.
           Cedar maximum 20 inches, average 16 inches.
Defects: Fir - buttrot, crock, shake.
         Larch - buttrot, pitch scars.
         Spruce - limby.
         Cedar - buttrot, limby.
Remarks: The range in elevation is from 2500 feet to
         4500 feet. Lower elevations are on steep slope,
         after about 4,000 feet contour the country levels
         out. Fir on steep slope is exposed, suffers from
         windshakes and poor form. Good fir on plateau.
         Considerable tie timber and cordwood in with
         sawlog timber.

Spruce 5.1 M per acre 380 acres
Accessible. Logging now in progress on plateau south-
         east of Terrace Mt. Extension of present
         logging road northward would open up the
         stand.
Site: Spruce 80.
Volume: Spruce 90%; fir 5%; balsam 5%.
Diameters: Spruce maximum 30 inches, average 14 inches.
Defects: Fir - buttrot and shake.
Spruce - some buttrot.
Remarks: Healthy young spruce stand on easy slope between 4,200 feet and 4,900 feet elevation. Spruce still rather small to use for sawlogs.

Lodgepole Pine 8.1 M per acre
See compartment 40F.

Lodgepole Pine-Spruce 3.6 M per acre
Remarks: Thrifty stand of spruce-lodgepole pine-balsam. Spruce 43% of volume, lodgepole pine 43%, balsam 14%. Heavy balsam understory. Stand on plateau country at 4,500 feet elevation. Infestation in the lodgepole pine has killed about 60 trees per acre.

Spruce 1.8 M per acre
Accessible. Extension of present logging roads along the plateau will open up this stand.
Site: Spruce 100; lodgepole pine 70.
Volume: Spruce 82%; fir 1%; balsam 16%; lodgepole pine 1%.
Diameters: Spruce maximum 34 inches, average 16 inches.
Defects: Spruce - limby, crook.
Remarks: Good stand of mature spruce at about 5,000 feet elevation. Almost all of lodgepole pine has died out of the stand and about one third of the balsam. Spruce healthy.

Spruce 14 M per acre
Accessible. This stand is readily accessible by an extension of the present logging road now on the plateau.
Site: Spruce 80 to 100.

Spruce 13 M per acre
Accessible. Adjacent to present logging.
Volume: Spruce 9.7 M, fir 1.8 M, balsam 0.7 M, lodgepole pine 0.4 M per acre.
Remarks: Part of X 20803. Cruised by the Ranger.
Other Areas

Fir-Balsam-Spruce 1889 (Fir-Spruce 3.5 M per acre) 340 acres

This stand mostly immature has some patches of mature fir and spruce. On the whole the area should not be logged but patches may be taken out profitably.

Compartment 51B

Main Area

Spruce 16 M per acre 2,260 acres

Accessible.

Site: Spruce 80; lodgepole pine 70.
Volume: Spruce 75%; balsam 5%; lodgepole pine 20%.
Diameters: Spruce maximum 24 inches, average 16 inches.
Balsam maximum 16 inches, average 14 inches.
Lodgepole pine maximum 18 inches, average 14 inches.

Defects: Spruce - limby.
Balsam - conk.
Lodgepole pine - decadent.

Remarks: Good stand of small spruce sawlogs on rolling plateau country. Stand broken up by many patches of spruce-lodgepole pine. Elevation ranging from 4,500 feet to 5,600 feet. Some dead balsam and lodgepole pine. Understory 96% balsam and 4% spruce. Light windfall. Road construction would be reasonably easy throughout the stand. Long haul to Okanagan Lake.

Mature Areas

Spruce-Lodgepole Pine 8.5 M per acre 1,500 acres

Accessible.

Site: Spruce 80; lodgepole pine 70.
Volume: Spruce 70%; balsam 6%; lodgepole pine 24%.
Diameters: Spruce maximum 24 inches, average 14 inches.
Balsam maximum 18 inches, average 14 inches.
Lodgepole pine maximum 14 inches, average 12 inches.

Defects: Spruce - some buttrot.
Balsam - rot.
Lodgepole pine - insect defoliation.

Remarks: Pulp spruce-lodgepole pine stand on rolling plateau country. Lodgepole pine mainly on drier areas with spruce type along the streams and draws. Elevation 5,000 feet to 5,600 feet. Understory 96% balsam and 4% spruce. Light windfall. Spruce mostly thrifty.
Spruce-Lodgepole Pine 4.9 M per acre 610 acres

Accessible.
Site: Spruce 60; lodgepole pine 30.
Volume: Spruce 51%; balsam 3%; lodgepole pine 46%.
Diameters: Spruce maximum 24 inches, average 14 inches.
Balsam maximum 12 inches, average 12 inches.
Lodgepole pine maximum 14 inches, average 12 inches.
Defects: Spruce - sound.
Lodgepole pine - cat faced.
Remarks: Healthy young mature stand spruce-lodgepole pine on easy southern slope. Elevations ranging from 5,000 feet to 5,400 feet. Good site.

Spruce-Lodgepole Pine 18 M per acre 530 acres

Accessible.
Site: Spruce 80; lodgepole pine 20.
Volume: Spruce 51%; balsam 2%; lodgepole pine 47%.
Diameters: Spruce maximum 24 inches, average 16 inches.
Balsam maximum 16 inches, average 14 inches.
Lodgepole pine maximum 16 inches, average 12 inches.
Defects: Spruce - spiral grain.
Balsam - buttrot.
Lodgepole pine - catface.
Remarks: Flat plateau country, well watered. Elevations ranging from 5,200 feet to 5,500 feet. Good site.
Understory spruce 37%; balsam 57%; lodgepole pine 6%. Considerable dead balsam and lodgepole pine. Windfall light to medium. Easy to log.

Other Areas

Lodgepole Pine 1855 340 acres
Remarks: Stand on easy slope. Density 1,530 stems per acre. Spruce 10%, balsam 3%, lodgepole pine 87%.

Lodgepole Pine 1867 280 acres
Remarks: Easy to moderate southern slope. Density 1,200 stems per acre. Spruce 110 trees 1.2" d.b.h., 300 balsam 0" d.b.h., and lodgepole pine 790 trees 7" d.b.h.

Lodgepole Pine 1879 2,630 acres
Remarks: Easy to moderate southern slope. Elevations ranging from 4,500 feet to 5,300 feet. Good site. Density 1,420 stems per acre, lodgepole pine 1,200 trees, average d.b.h. 4" per acre, balsam 200 trees, average 0" d.b.h. per acre, spruce 20 trees per acre. Scattered patches of rock and scrub.
Lodgepole Pine 1879

2,890 acres

Remarks: Moderate to steep northern slope. Elevations ranging from 3,000 feet to 5,000 feet. Good site. Same stocking as the above type. Patches of rock and scrub.

Compartment 51C

Main Area

Spruce 10 M per acre 1,650 acres

Accessible.

Site: Spruce 80; lodgepole pine 70.

Volume: Spruce 89%; balsam 3%; lodgepole pine 8%.

Diameters: Spruce maximum 26 inches, average 14 inches.
Balsam maximum 16 inches, average 12 inches.
Lodgepole pine maximum 16 inches, average 12 inches.

Defects: Spruce - catface.
Balsam - frost cracks.
Lodgepole pine - catface, decadent.

Remarks: Stand on rolling plateau country with a considerable number of shallow streams. Elevation ranging from 5,000 feet to 5,500 feet. Good soil and growing site. Lodgepole pine and balsam decadent, dying out rapidly. Average of 35 lodgepole pine snags and 24 balsam snags per acre. Spruce thrifty and mature. Understory mostly balsam. Road construction throughout the area would be easy. Windfall light to medium.

Mature Areas

Lodgepole Pine-Spruce 7.7 M per acre 1,770 acres

Accessible.

Site: Spruce 80; lodgepole pine 80.

Volume: Spruce 42%; balsam 11%; lodgepole pine 46%.

Diameters: Spruce maximum 22 inches, average 14 inches.
Balsam maximum 18 inches, average 12 inches.
Lodgepole pine maximum 20 inches, average 12 inches.

Defects: Spruce - limby.
Balsam - buttrot, frost crack.
Lodgepole pine - decadent, catface.

Remarks: Stand on gently sloping plateau country. Many small streams and swampy areas. Elevation ranging from 4,400 feet to 5,200 feet. Good soil and site conditions. Lodgepole pine-balsam beginning to be attacked by beetles.
Average of 43 lodgepole pine and 18 balsam snags per acre 10 inches to 12 inches d.b.h. Understory practically all balsam. Road construction would be easy in this area but the small, scattered timber would result in high logging costs. Windfall light.

**Spruce 4.1 M per acre**

<table>
<thead>
<tr>
<th>Accessible</th>
<th>230 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Site:</strong></td>
<td>Spruce 60; lodgepole pine 60.</td>
</tr>
<tr>
<td><strong>Volume:</strong></td>
<td>Spruce 90%; balsam 5%; lodgepole pine 5%.</td>
</tr>
<tr>
<td><strong>Diameters:</strong></td>
<td>Spruce maximum 22 inches, average 14 inches.</td>
</tr>
<tr>
<td></td>
<td>Balsam maximum 14 inches, average 12 inches.</td>
</tr>
<tr>
<td></td>
<td>Lodgepole pine maximum 12 inches, average 12 inches.</td>
</tr>
<tr>
<td><strong>Defects:</strong></td>
<td>Spruce - short, buttrot.</td>
</tr>
<tr>
<td></td>
<td>Balsam - decadent.</td>
</tr>
<tr>
<td></td>
<td>Lodgepole pine - decadent, beetle damage.</td>
</tr>
<tr>
<td><strong>Remarks:</strong></td>
<td>Pulp spruce stand on southern slope. Elevation range about 5,500 feet to 5,600 feet. Poor site with open deciduous understory. Spruce mature, lodgepole pine-balsam decadent with some beetle infestation. Average 7 spruce, 39 balsam and 42 lodgepole pine snags per acre.</td>
</tr>
</tbody>
</table>

**Spruce 14 M per acre**

<table>
<thead>
<tr>
<th>Accessible</th>
<th>600 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Site:</strong></td>
<td>Spruce 60; lodgepole pine 70.</td>
</tr>
<tr>
<td><strong>Volume:</strong></td>
<td>Spruce 87%; balsam 5%; lodgepole pine 8%.</td>
</tr>
<tr>
<td><strong>Diameters:</strong></td>
<td>Spruce maximum 28 inches, average 16 inches.</td>
</tr>
<tr>
<td></td>
<td>Balsam maximum 18 inches, average 12 inches.</td>
</tr>
<tr>
<td></td>
<td>Lodgepole pine maximum 16 inches, average 12 inches.</td>
</tr>
<tr>
<td><strong>Defects:</strong></td>
<td>Spruce - few catfaced.</td>
</tr>
<tr>
<td></td>
<td>Balsam - conk.</td>
</tr>
<tr>
<td></td>
<td>Lodgepole pine - catfaced, unsymmetrical trunk.</td>
</tr>
<tr>
<td><strong>Remarks:</strong></td>
<td>Good spruce stand on easy slope. Elevation ranging from 5,000 feet to 5,300 feet. Good soil and site conditions. Balsam and lodgepole pine becoming suppressed. Average of 18 lodgepole pine and 18 balsam snags per acre. Understory mostly balsam, light windfall. Good logging show, easy road construction.</td>
</tr>
</tbody>
</table>

**Lodgepole Pine 1854**

<table>
<thead>
<tr>
<th>Remarks:</th>
<th>Immature lodgepole pine stand on moderate to steep slope. Good site.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Remarks:</strong></td>
<td>1,210 acres</td>
</tr>
</tbody>
</table>
Compartment 52

Main Area

**Fir-Yellow Pine Selectively Logged**  
*4,290 acres*

**Accessible:** Logging roads throughout area.

**Site:** Yellow pine medium; fir 60.

**Density:** 459 per acre 84% fir, 16% yellow pine.

**Potential Use:** Sawlogs and cordwood.

**Remarks:** Topography varies widely, from easy to steep slope. Stand has been logged selectively over a period of years. Trees removed per acre 5.3 yellow pine average diameter 24 inches, and 4.8 fir average diameter 22 inches. Small patches of rock and scrub but in general good yellow pine site. Too dry and exposed for good quality fir.

Mature Areas

**Yellow Pine-Fir 2.8 M per acre**  
*250 acres*

**Accessible:**

**Site:** Yellow pine short; fir 70.

**Volume:** 74% yellow pine, 26% fir.

**Diameters:** Yellow pine maximum 32 inches, average 20 inches.

**Defects:** Yellow pine - fire scar, buttrot.  
Fir - ring shake, fire scar, crook.

**Remarks:** Fair stand on moderate to steep slope. Patches of rock and scrub throughout area. Site too exposed for good quality trees.

**Fir 4.1 M per acre**  
*890 acres*

**Accessible:** Mining road up to the area.

**Site:** Yellow pine short; fir 70; spruce 80; lodgepole pine 60.

**Volume:** Yellow pine 15%; fir 74%; spruce 2%; balsam 2%; lodgepole pine 5%; aspen 2%.

**Diameters:** Yellow pine maximum 28 inches, average 22 inches.  
Fir maximum 32 inches, average 16 inches.

**Defects:** Yellow pine - buttrot.  
Fir - limby, crook, shake.

**Remarks:** Moderate to steep slope, 3,000 feet to 4,800 feet elevation. In sheltered draws the fir is clear and fast growing, on the exposed sites it is wind-shaken, limby and poorly formed. Scattered throughout the stand are a few old growth yellow pine. Windfall on the lower edge of the area is light and increases gradually to heavy along the upper edge of the area.
Yellow Pine—Fir 1.6 M per acre
Accessible. Near fairly good mining road.
Site: Yellow pine short; fir 70.
Volume: Yellow pine 58%; fir 42%.
Diameters: Yellow pine maximum 40 inches, average 20 inches.
            Fir maximum 22 inches, average 14 inches.
Defects: Yellow pine - buttrot, sweep.
        Fir - ring shake, limby.
Remarks: Moderate to steep slope, 40% scrub fir and rock.
        Light windfall and very few seedlings. Poor site.

Yellow Pine - Fir 6.3 M per acre
Accessible. Very close to logging road.
Site: Yellow pine medium; fir 70.
Diameters: Yellow pine maximum 34 inches, average 24 inches.
            Fir maximum 30 inches, average 14 inches.
Defects: Yellow pine - buttrot and fire scar.
        Fir - crook and ring shake.
Remarks: Good stand of yellow pine on easy sloping country.

Other Areas

Fir-Lodgepole Pine 1850
Accessible.
Site: Fir 60; lodgepole pine 70.
Density: .670 per acre, fir 30%; balsam 12%; lodgepole
        pine 58%.
Potential Use: Ties, piling, sawlogs.
Remarks: Thrifty stand on moderate to steep slope. Elevation
        ranging from 3,300 feet to 4,800 feet. Patches of
        rock, scrub, and open deciduous cover scattered
        throughout the area. Light windfall.

Yellow Pine Logged and Burned
Remarks: This area has been denuded by intensive logging
        and 1929 fire. A few seed trees remain but the
        restocking amounts to only 25 yellow pine and
        20 fir per acre.

Compartment 53A

Main Area

Fir-Yellow Pine 4.3 M per acre
Accessible.
Site: Yellow pine medium; fir 70; larch II.
Volume: Yellow pine 21%; fir 73%; larch 4%; cedar 2%.
Diameters: Yellow pine maximum 30 inches, average 20 inches.
          Fir maximum 30 inches, average 18 inches.
Defects: Yellow pine - fire scar, limbyness and crook.
          Fir - fire scar, limbyness and shake.
Remarks: The type has been logged in 1927 and 1938 for
          poles and ties. Very accessible. The yellow
          pine is large but scattered.

Mature Areas

Yellow Pine-Fir 5.1 M per acre  200 acres
Accessible.
Site: Yellow pine medium; fir 60.
Volume: Yellow pine 65%; fir 35%.
Diameters: Yellow pine maximum 34 inches, average 24 inches.
          Fir maximum 30 inches, average 18 inches.
Defects: Yellow pine - limbyness, crook and forked top.
          Fir - shake and crook.
Remarks: Very steep side hill - close to main road.
          Yellow pine is large, scattered and very rough.

Fir 5.4 M per acre, Part Loged  1,010 acres
Accessible.
Site: Yellow pine medium; fir 80; larch 10.
Volume: Yellow pine 5%; fir 92%; larch 2%; cedar 1%.
Diameters: Fir maximum 30 inches, average 20 inches.
Defects: Fir - fire scar, butrot, limbyness, crook.
Remarks: The area has been partly logged but there is
          still considerable values in fir left. An
          average of 1.4 yellow pine and 4.8 fir per
          acre have been removed.

Yellow Pine 5.6 M per acre, Partly Loged  430 acres
Accessible.
Site: Yellow pine medium; fir 70.
Volume: Yellow pine 90%; fir 10%.
Diameters: Yellow pine maximum 46 inches, average 24 inches.
Defects: Yellow pine - fire scar, butrot, limbyness.
          Fir - fire scar, shake.
Remarks: Area partly logged 1.3 yellow pine per acre have
          been removed. Located on the north bank of
          Whiteman Creek about 2 miles haul from the main
          road. Yellow pine is large and is ready for
          logging.
Fir 3.0 M per acre - Logged for yellow pine 470 acres
Accessible.
Site: Yellow pine medium; fir 70.
Volumes: Yellow pine 82%; fir 18%.
Diameters: Yellow pine maximum 26 inches, average 16 inches.
Fir maximum 32 inches, average 20 inches.
Defects: Yellow pine - fire scar and dead top.
Fir - fire scar and shake.
Remarks: Average of 6.4 yellow pine and 2.5 fir trees per acre have been logged from the area. 5 mile haul to the main road. There is considerable cordwood fir.

Fir 2.8 M per acre 420 acres
This type of poor fir extends along the south side of Whiteman Creek.

Fir 16 M per acre 210 acres
See compartment 53D.

Other Areas

Yellow Pine-Fir Selectively Logged 1,100 acres
Site: Yellow pine medium.
Density: Yellow pine 165 trees per acre with diameters well distributed.
Fir 200 trees per acre with diameters well distributed.
Potential Use: Sawlogs and box lumber.
Remarks: This area is located along the main road on the flat and on the first bench above the lake. A very good site, well stocked.

Larch-Fir 1929 780 acres
Site: Good.
Density: Fir 870 trees per acre; larch 1,200; lodgepole pine 350.
Potential Use: Sawlogs.

Yellow Pine-Fir Selectively Logged, Semi-Open Range 350 acres
Large type of scattered trees on open range. Area has been logged leaving scattered young trees.
Compartment 53B

Main Area

Spruce-Lodgepole Pine 3.7 M per acre  2,310 acres
Accessible.
Site: Fir 80; spruce 80.
Volume: Fir 4%; spruce 42%; balsam 17%; lodgepole pine 37%.
Diameters: Spruce maximum 24 inches, average 16 inches.
            Balsam maximum 22 inches, average 16 inches.
            Lodgepole pine maximum 16 inches, average 14 inches.
Defects: Spruce - buttrot, crook and heart rot.
         Lodgepole pine - buttrot and crook.
Remarks: Poor stand of mostly small diameters. A large
         percentage of the lodgepole pine has been killed
         by bark beetles. The stand is too light to make
         a good logging chance.

Mature Areas

Spruce-Balsam 12 M per acre  410 acres
Accessible.
Site: Spruce 100; lodgepole pine 80.
Volume: Fir 1%; spruce 74%; balsam 23%; lodgepole pine 2%.
Diameters: Spruce maximum 32 inches, average 16 inches.
            Balsam maximum 20 inches, average 16 inches.
Remarks: Located south of Whiteman Creek 5 miles from
         Bouleau Creek on a small branch creek. Moderate
         slopes. Road will have to be built along the
         creek. The banks are steep making road building
         expensive. There is a small patch of fir-spruce
         12 M per acre between this type and the main
         creek.

Fir-Spruce 8.4 M per acre  220 acres
Accessible.
Site: Fir 90; spruce 80.
Volume: Fir 75%; spruce 20%; balsam 5%.
Diameters: Fir maximum 26 inches, average 18 inches.
            Spruce maximum 26 inches, average 16 inches.
Defects: Fir - fire scar and crook.
         Spruce - forked top and crook.
Remarks: A small patch of fir-cedar adjacent to this
         type has been partly burned in 1925. Will
         be logged at the same time as the above type.
Fir (Yellow Pine) 2.1 M per acre 730 acres
Accessible.
Site: Yellow pine medium; fir 80.
Volume: Yellow pine 14%; fir 86%.
Diameters: Yellow pine maximum 20 inches, average 18 inches.
           Fir maximum 28 inches, average 20 inches.
Defects: Fir - fire scar, crook and limbyness.
Remarks: This type extends along the north bank of Whiteman Creek which is very steep and rocky. The yellow pine is scattered throughout the stand.

Fir-Lodgepole Pine 5.0 M per acre 560 acres
This type extends along the south bank of Whiteman Creek in several patches separated by immature. Poor logging chance.

Other Areas

Lodgepole Pine 1855 590 acres
Well stocked stand averaging 125 lodgepole pine per acre, with a considerable understory of fir and spruce, extending along the south fork of Whiteman Creek.

Fir-Yellow Pine 1882 340 acres
Accessible.
Site: Fair.
Density: Fir - 260 trees per acre.
        Lodgepole pine - 250 trees per acre.
Potential Use: Sawlogs and ties.
Remarks: There are some ties available as thinnings. Stand well stocked. At junction of Bouleau and Whiteman Creeks.

Lodgepole Pine 1879 1,230 acres
Density: Stocked - lodgepole pine 1,860 trees per acre, spruce 200 and balsam 50.

Adjacent to this type on the east is 340 acres of fir-lodgepole pine 1879 with scattered fir seed trees and on the west there is fir-lodgepole pine-balsam 1879.

Lodgepole Pine 1925 830 acres
Well stocked after burn in 1925. Stand was formerly lodgepole pine 1882.
Compartment 530

Main Area

Spruce 15 M per acre 1,890 acres
Accessible.
Site: Fir 90; spruce 80.
Volume: Fir 4%; spruce 87%; balsam 6%; lodgepole pine 3%.
Diameters: Spruce maximum 40 inches, average 22 inches.
Defects: Spruce - buttrot, some frost cracks.
Remarks: There is considerable dead balsam and lodgepole pine in this stand due to overmaturity and bark beetles. This is a very good logging chance requiring about 9 miles of road to connect with the present road up to the gold mine. This is easy road building country with very easy grades as the present road ends nearly at the elevation of the plateau. A large amount of timber would be accessible to this road. The slopes are easy.

Mature Areas

Spruce 9.4 M per acre 550 acres
Accessible.
Site: Fir 80; spruce 80; lodgepole pine 80.
Volume: Fir 8%; spruce 60%; lodgepole pine 13%; balsam 12%; cedar 7%.
Diameters: Fir maximum 28 inches, average 22 inches.
Spruce maximum 34 inches, average 20 inches.
Balsam maximum 20 inches, average 16 inches.
Lodgepole pine maximum 16 inches, average 12 inches.
Cedar maximum 22 inches, average 16 inches.
Defects: Spruce - buttrot and heartrot.
Remarks: Fair spruce with a mixture of fir-balsam-lodgepole pine and cedar, good logging chance. Can be logged at the same time as the above stand.

Fir-Spruce 12 M per acre 1,340 acres
Accessible.
Site: Fir 100; spruce 100.
Volume: Fir 67%; spruce 25%; balsam 3%; cedar 5%.
Diameters: Fir maximum 34 inches, average 22 inches.
Spruce maximum 30 inches, average 16 inches.
Defects: Fir - shake, buttrot and crook.
Spruce - buttrot and some spiral grain.
Remarks: This type extends along Whitman Creek. Will have to be trucked out along the creek. Road building will be expensive. The lodgepole pine is mostly beetle killed. Some evidence of beetles in the fir.
Spruce-Lodgepole Pine 6.0 M per acre 2,490 acres

Accessible.
Site: Fir 80; spruce 80; lodgepole pine 80.
Volume: Fir 12%; spruce 55%; lodgepole pine 21%; balsam 12%.
Diameters: Spruce maximum 34 inches, average 20 inches.
Lodgepole pine maximum 16 inches, average 12 inches.
Defects: Spruce - buttrot and frost cracks.
Lodgepole pine - bark beetle attack.
Remarks: The lodgepole pine is very decadent and has been mostly beetle killed. This type has a low volume and will be best suited for pulp.

Spruce-Lodgepole Pine 9.1 M per acre 770 acres

Accessible.
Site: Spruce 60; lodgepole pine 80.
Volume: Spruce 60%; lodgepole pine 27%; balsam 13%.
Diameters: Spruce maximum 32 inches, average 18 inches.
Lodgepole Pine maximum 18 inches, average 14 inches.
Defects: Spruce - frost crack and spiral grain.
Remarks: Heavy stand of smaller trees. The stand occurs above 5,500 feet. Best use will probably be pulp but has some sawlog values.

Spruce 16 M per acre 340 acres

See compartment 53E.

Lodgepole Pine-Spruce 2.0 M per acre 720 acres

An area of poor timber north of Whiteman Creek, only use if for pulp.

Other Areas

There are several minor mature areas which will be logged with the larger types and some immature areas most of which are north of Whiteman Creek and are restocking after a fire in 1925. These stands were previously mature spruce, fir and lodgepole pine.

Compartment 53D.

Main Area

Yellow Pine-Fir 2.9 M per acre 720 acres

Accessible.
Site: Yellow pine medium; fir 70.
Volume: Yellow pine 53%; fir 47%.
Diameters: Yellow pine maximum 34 inches, average 24 inches.
               Fir maximum 20 inches, average 16 inches.
Defects: Yellow pine - crook and buttrot.
               Fir - shake and buttrot.
Remarks: This type is situated between Bouleau and
               Whiteman Creeks at their junction. This is
               steep hillside. 5 or 6 mile haul to the main
               road. The yellow pine is large size with a
               heavy understory of fir.

Mature Areas

Fir-Yellow Pine 2.3 M per acre  790 acres
Accessible.
Site: Yellow pine medium; fir 70.
Volume: Yellow pine 25%; fir 69%; larch 3%; cedar 3%.
Diameters: Yellow pine maximum 32 inches, average 20 inches.
               Fir maximum 28 inches, average 16 inches.
Defects: Yellow pine - buttrot.
               Fir - shake and crook.
Remarks: On a steep sidehill east of Bouleau Creek. There
               is a logging road to the edge of the type. 6 mile
               haul to main road.

Larch-Fir 11 M per acre  260 acres
Accessible.
Site: Fir 80; larch II.
Volume: Yellow pine 1%; fir 25%; larch 71%; spruce 2%;
               cedar 1%.
Diameters: Fir maximum 26 inches, average 16 inches.
               Larch maximum 30 inches, average 20 inches.
Defects: Fir - buttrot and shake.
               Larch - buttrot and heartrot.
Remarks: A very good stand of larch which will probably
               be logged by way of Brown's Creek - a haul of
               6 miles to the main road.

Fir 2.9 M per acre  350 acres
Accessible.
Site: Fir 120; spruce 100; lodgepole pine 80.
Volume: Fir 62%; spruce 3%; lodgepole pine 12%; balsam 18%.
Diameters: Fir maximum 24 inches, average 16 inches.
Defects: Buttrot and shake.
Remarks: Scattered type beyond the main type. The lodgepole pine
               is very seriously beetle infested.
Other Areas

Most of the remaining area apart from a few scattered mature types is covered with lodgepole pine-balsam 1901 and lodgepole pine 1925. Both types are well stocked and have small patches of mature lodgepole pine scattered throughout.

Compartment 53E

Main Area

**Spruce 11 M per acre**

- **1,930 acres**
- **Accessible:**
- **Site:** Spruce 80; lodgepole pine 80.
- **Volume:** Spruce 87%; lodgepole pine 6%; balsam 5%.
- **Diameters:** Spruce maximum 32 inches, average 20 inches.
- **Defects:** Spruce - spiral grain, frost cracks and buttrot.
- **Remarks:** This type is situated on the plateau between the head of Siwash Creek and Bouleau Lake. About 9 miles of road are required to develop the area which will make a total haul of at least 14 miles to the main road. The slopes are moderate making logging and road building fairly easy. There is considerable dead balsam and lodgepole pine due to bark beetle and decadence.

**Spruce-Lodgepole Pine 5.5 M per acre**

- **530 acres**
- **Accessible:**
- **Site:** Fir 100; spruce 80; lodgepole pine 80.
- **Volume:** Fir 8%; spruce 62%; lodgepole pine 20%; balsam 10%.
- **Diameters:** Spruce maximum 28 inches, average 16 inches.
  Lodgepole pine maximum 14 inches, average 12 inches.
- **Defects:** Spruce - buttrot; lodgepole pine - crock.
- **Remarks:** This is a type of smaller thrifty timber between two mature types. Located around the end of Bouleau Lake.

**Spruce 5.1 M per acre**

- **740 acres**
- **Accessible:**
- **Site:** Spruce 80; lodgepole pine 80.
- **Volume:** Spruce 81%; lodgepole pine 6%; balsam 13%.
- **Diameters:** Spruce maximum 26 inches, average 16 inches.
- **Defects:** Spruce - some rot.
- **Remarks:** This stand occurs between Bouleau Lake and the main spruce area. There is a large amount of poor balsam. The timber is a pulp type.
Lodgepole Pine 8.0 M per acre 490 acres
Accessible.
Site:
Volume: Balsam 3%; lodgepole pine 97%;
Diameters: Lodgepole pine maximum 14 inches, average 14 inches.
Defects: Lodgepole pine - catface.
Remarks: A pure stand about 120 years old but too small for sawlogs.

Spruce-Lodgepole Pine 11 M per acre 840 acres
Accessible.
Site: Spruce 80; lodgepole pine 20.
Volume: Spruce 49%; lodgepole pine 43%; balsam 8%.
Diameters: Spruce maximum 26 inches, average 16 inches.
Lodgepole pine maximum 20 inches, average 14 inches.
Defects: Spruce - buttrot.
Lodgepole pine - catface.
Remarks: Fair logging chance - easy slopes just south of Bouleau Lake. The timber is small but of good quality. There will be some adverse haul if this timber is taken out by the road which will tap the main body of timber north of the lake. This seems to be the best way to haul from the area.

Spruce 16 M per acre 1,180 acres
Accessible.
Site: Spruce 100; lodgepole pine 80.
Volume: Spruce 84%; lodgepole pine 11%; balsam 5%.
Diameters: Spruce maximum 32 inches, average 20 inches.
Lodgepole pine maximum 18 inches, average 14 inches.
Defects: Spruce - buttrot and poor tops in larger trees.
Lodgepole pine - catface.
Remarks: A very good stand of spruce with 76% of the spruce 16 inches d.b.h. and over. This timber can be hauled either north to the road which will be between Bouleau and Siwash Creeks which would involve about one mile of adverse grade or a road can be built along the plateau between Bouleau and Whiteman Creek which would involve several switchbacks to get down to the creek.

Spruce-Fir 11 M per acre 300 acres
Accessible.
Site: Fir 90; spruce 80; lodgepole pine 80.
Volume: Fir 35%; spruce 43%; lodgepole pine 12%;
balsam 8%; cedar 2%.
Diameters: Fir maximum 32 inches, average 22 inches.
Spruce maximum 36 inches, average 20 inches.
Defects: Fir - limbyness, crook and buttrot.
        Spruce - buttrot and some limbyness.
Remarks: Stand is on the north side of the creek. Good
        logging chance - can be hauled the same way as
        the above type.

Spruce-Balsam 7.3 M per acre 780 acres
Accessible.
Site: Spruce 60-100; lodgepole pine 70.
Volume: Spruce 61%; lodgepole pine 6%; balsam 33%.
Diameters: Spruce maximum 22 inches, average 16 inches.
           Balsam maximum 20 inches, average 14 inches.
Defects: Spruce - limby and buttrot.
         Balsam - frost crack, butt and heartrot.
Remarks: This type occurs just below the scrub line
         and therefore is inclined to be short and of
         poor quality.

Other Areas

Balsam-Lodgepole Pine-Spruce 1901 830 acres
Well stocked stand which lies immediately north of a
patch of spruce 16 M per acre.

Compartment 54A

Main Area

Fir 3.2 M per acre 1,070 acres
Accessible.
Site: 90.
Volume: Fir 85%; spruce 2%; cedar 10%; aspen 2%; birch 1%.
Diameters: Fir maximum 26 inches, average 16 inches.
           Cedar maximum 20 inches, average 16 inches.
Defects: Fir - crook and shake.
         Cedar - buttrot.
Remarks: The fir in this type is being attacked by bark
         beetle - 12 trees per acre are dead. Area is
         accessible to Siwash Creek road. Approximately
         three miles of haul to the main road. Cedar poles
         have been removed from a small area leaving 2.2 M
         per acre of fir. Slopes fairly steep.
Mature Areas

Fir 2.6 M per acre
Accessible.
Site: 90.
Volume: Fir 88%; cedar 11%; aspen 1%.
Diameters: Fir maximum 26 inches, average 18 inches.
Cedar maximum 24 inches, average 18 inches.
Defects: Fir - fire scar, buttrot, conk.
Cedar - buttrot.
Remarks: This type is north of Siwash Creek on a small tributary, about 4 miles from the lake road requiring about 1 1/2 miles of new road. In this same area there are also 100 acres of fir-spruce 3.0 M per acre, 110 acres of spruce-fir 3.0 M per acre, and 190 acres of fir 2.0 M per acre which is a very open stand. Moderate slopes and fair logging.

Fir 2.5 M per acre, Part-logged
Accessible.
Site: Yellow pine medium; fir 80; larch II.
Volume: Yellow pine 19%; fir 65%; larch 10%; cedar 1%;
birch 5%.
Diameters: Yellow pine maximum 26 inches, average 18 inches.
Fir maximum 28 inches, average 18 inches.
Defects: Yellow pine - buttrot.
Fir - limbyness and catface and shake.
Remarks: This area has been logged for yellow pine. Approximately a 2 mile haul to main road. Fir is poor quality.

Fir-Yellow Pine 2.0 M per acre
This type on a dry sidehill sloping into the creek has very scattered timber on it.

Other Areas

Fir-Yellow Pine Selectively Logged
Site: Yellow pine medium; fir 80.
Density: Yellow pine 125 trees per acre well distributed.
Fir 140 trees per acre well distributed.
Potential Use: Sawlogs, box lumber and fir cordwood.
Remarks: Easily accessible about 1 mile from the lake road. Area includes bench land and the slope to Siwash Creek.
Fir-Cedar Selectively Logged 1936 and 1937  420 acres

Site: Fair.
Density: Fir 60 trees per acre; cedar 600 trees per acre including 270 zeros.
Potential Use: Sawlogs and poles.
Remarks: Accessible to the lake road. Easy grades. Considerable beetle killed fir.

Lodgepole Pine 1878
See compartment 66B.

Compartment 54B

Main Area

Spruce-Lodgepole Pine 9.8 M per acre  2,230 acres

Accessible.
Site: Fir 100; spruce 80.
Volume: Fir 3%; spruce 52%; balsam 11%; lodgepole pine 34%.
Diameters: Spruce - maximum 34 inches, average 16 inches.
           Lodgepole pine maximum 20 inches, average 14 inches.
Defects: Spruce - some buttrot and slight spiral grain.
           Lodgepole pine - This stand is very decedent with a large number of beetle killed lodgepole pine.
Remarks: Situated on a high plateau sloping down to the north, between Bouleau and Siwash Creeks. About five miles of main road beyond the present road up Brown's Creek are required to develop this timber. A good grade can be obtained on this road. Easy slopes for logging. This stand is young and thrifty with most of the trees in the smaller diameters but there is sufficient volume for a profitable logging show.

Mature Areas

Fir 10 M per acre  1,390 acres

Accessible.
Site: Fir 80; spruce 80.
Volume: Fir 81%; spruce 8%; balsam 2%; lodgepole pine 1%; cedar 8%.
Diameters: Fir maximum 32 inches, average 20 inches.
           Spruce maximum 28 inches, average 16 inches.
           Cedar maximum 16 inches, average 12 inches.
Defects: Fir - catface, rot, shake and crook.
         Spruce - catface and rot.
         Cedar - catface and buttrot.

Remarks: This type is situated on the south fork of
         Siwash Creek. Most of the type will be
         accessible to the road which will be used to
         log the main type. This is a good tie stand
         with a fair percentage of larger trees. About
         2 miles from the end of the present logging
         road which is 6 miles from the log dump on
         the lake.

Fir 4.8 M per acre  400 acres

Accessible.
Site: Fir 70; spruce 80.
Volume: Fir 67%; spruce 13%; balsam 7%; cedar 13%.
Diameters: Fir maximum 24 inches, average 16 inches.
           Spruce maximum 16 inches, average 14 inches.
           Cedar maximum 14 inches, average 12 inches.
Defects: Fir - crock and shake.
Remarks: This type extends along the creek bottom for
         3 miles. There is a road within 2 miles of
         the type along Siwash Creek.

Spruce 11 M per acre  1,380 acres

Accessible.
Site: Spruce 80.
Volume: Spruce 79%; balsam 11%; lodgepole pine 10%.
Diameters: Spruce maximum 28 inches, average 20 inches.
           Balsam maximum 16 inches, average 14 inches.
           Lodgepole pine maximum 18 inches, average 14 inches.
Defects: Spruce - spiral grain, limbyness and crock.
Remarks: This is a good stand of spruce and will be logged
         with compartment 53E. Will require about 12 miles
         of truck road beyond the present roads. Easy
         rolling country.

Spruce-Lodgepole Pine 7.9 M per acre  720 acres

Accessible.
Site: Spruce 60; lodgepole pine 80.
Volume: Spruce 54%; lodgepole pine 37%; balsam 9%.
Diameters: Spruce maximum 24 inches, average 16 inches.
           Lodgepole pine maximum 18 inches, average 14 inches.
Defects: Spruce - spiral grain, limbyness, rot. Lodgepole pine - limbyness, decadence.

Remarks: This type is situated along the headwaters of Siwash Creek between two parts of the above type. The timber is considerably smaller.

Spruce 11 M per acre  270 acres
See compartment 53E main type. This type is an isolated patch of larger spruce in the spruce-lodgepole pine type.

Lodgepole Pine-Fir 1878  3,110 acres
Well stocked stand which lies mostly between the north fork and the main creek. This type gradually changes to lodgepole pine-spruce-balsam 1878 at the higher elevations.

There are also numerous immature types of various age classes scattered throughout the compartment.

Compartment 55A

Main Area

Fir-Larch 5.2 M per acre  1,730 acres
Accessible.
Site: Fir 100; larch II.
Volume: Fir 47%; larch 46%; cedar 7%.
Diameters: Fir maximum 34 inches, average 20 inches.
Larch maximum 40 inches, average 22 inches.
Cedar maximum 18 inches, average 14 inches.
Defects: Fir - ring shake, buttrot.
Larch - heartrot, buttrot.
Cedar - buttrot.
Remarks: Good logging conditions. Slopes vary from gentle to steep. Scattered rock outcrops. Throughout area occur dense patches of cedar-fir reproduction and underbrush. A volume of cottonwood exists in the bottom of Duteau Creek.

Mature Areas

Larch-Fir-Yellow Pine (Fir Cordwood) 3.4 M per acre  200 acres
Accessible.
Site: Yellow pine medium; fir 70; larch II.
Volume: Yellow pine 21%; fir 22%; larch 57%.
Diameters: Yellow pine maximum 26 inches, average 16 inches.
Fir maximum 24 inches, average 18 inches.
Larch maximum 24 inches, average 18 inches.

Defects: Yellow pine - crook.
Fir - ring shake, pitch pockets.
Larch - heartrot.

Remarks: Poor logging conditions. Steep slopes - shale like soil - no undergrowth. The stand, open and exposed to the south, is highly defective and will produce poor sawlogs.

Larch-Fir 7.1 M per acre 90 acres
Accessible.
Site: Fir 90; larch II.
Volume: Fir 22%; larch 67%; other species 11%.
Remarks: Fair logging conditions. Slopes moderate to steep. Heavy entangling reproduction. The larch is highly defective. Good soil prevalent throughout.

Other Areas

Yellow Pine Selectively Logged 470 acres
Accessible.
Site: Good.
Density: Yellow pine 220 trees per acre) 0 inch diameter
Fir 10 trees per acre class omitted.
Potential Use: Sawlogs.
Remarks: Excellent logging conditions. Slopes gentle to flat. Soil excellent - no rock. Area recommended as farmer's woodlot.

Fir-Yellow Pine Selectively Logged 380 acres
Accessible.
Site: Good.
Density: Yellow pine 130 trees per acre) 0 inch
Fir 310 trees per acre diameter class
Larch 10 trees per acre omitted.
Potential Use: Sawlogs.
Remarks: Excellent logging conditions. Flat topography, soil good, underbrush light. Stand in good shape but somewhat limby. Recommended as farmer's woodlot.
Fir (Fir Cordwood) 1874 (Fir 2.9 M per acre) Part-logged 180 acres

Accessible.

Site: Yellow pine medium; fir 100; larch II.
Density: Yellow pine 10 trees per acre
          Fir 70 trees per acre
          (Fir cordwood 20 trees per acre) class omitted.
          Larch 10 trees per acre
Volume: Yellow pine 7%; fir 81%; larch 12%.
Potential Use: Sawlogs and cordwood.
Remarks: Excellent logging conditions. Gentle slopes.
         Little underbrush. This area is ready for thinning.

Other areas in the compartment include well stocked selectively logged and immature areas of larch and fir to the south of Bluenose Mountain, and various fir and deciduous immature and selectively logged types on the lower slopes and flats of Coldstream Valley. In the valley bottomland is scattered several small mature types containing sawtimber volumes of yellow pine, fir and cottonwood.

Compartment 55B

Main Area

Lodgepole Pine-Spruce-Fir 1887 1,140 acres

Accessible.

Site: Lodgepole pine good; spruce 80; fir 90.
Density: Fir 90 trees per acre.
          Larch 10 trees per acre.
          Spruce 50 trees per acre.
          Balsam 30 trees per acre.
          Lodgepole pine 110 trees per acre.
Potential Use: Sawlogs, ties and pulpwood.
Remarks: Good logging conditions. Rolling topography.
         Clean stand with little defect. Windfall medium.

Mature Areas

Fir-Larch 5.5 M per acre 560 acres

Accessible.

Site: Good.
Volume: Fir 45%; larch 35%; spruce 10%; lodgepole pine 9%.
Larch-Fir 5.0 M per acre

Accessible.
Site: Good.
Volume: Fir 30%; larch 60%; lodgepole pine 10%.

Larch-Fir 2.6 M per acre, 40% Lodgepole

Accessible.
Site: Fir 60; larch III; spruce 60; lodgepole pine 90.
Volume: Fir 33%; larch 47%; balsam 9%; lodgepole pine 11%.
Diameters: Fir maximum 28 inches, average 18 inches.
Larch maximum 24 inches, average 16 inches.
Defects: Fir - crook, limbyness, heatrot.
Larch - heatrot.
Lodgepole pine - catface.
Remarks: Good logging conditions. Gentle slopes - poor soil - rock outcrops. Fir is rather poor in this area - larch good.

Larch 12 M per acre

Accessible.
Site: Fir 80; larch II; spruce 80.
Remarks: Good logging conditions. Gentle slopes - little rock. The volumes run approximately 65% larch, 20% spruce, 8% fir and 8% other species. Defect comparatively light.

Spruce-Fir 12 M per acre

Accessible.
Site: Fir 100; larch II; spruce 80; lodgepole pine 80.
Volume: Fir 25%; larch 16%; spruce 46%; balsam 5%; lodgepole pine 8%.
Diameters: Fir maximum 28 inches, average 18 inches.
Larch maximum 28 inches, average 18 inches.
Spruce maximum 26 inches, average 16 inches.
Defects: Larch - heatrot.
Balsam - split, heatrot.
Lodgepole Pine - catfaced.
Remarks: Fair logging conditions. Moderate to steep slopes. Except in balsam and lodgepole pine the defect is slight and timber is clear and of high grade.
Fir 9.6 M per acre

Accessible.

Site: Fir 90; larch II; spruce 100.

Volume: Fir 75%; larch 4%; spruce 15%; lodgepole pine 5%.

Diameters: Fir maximum 23 inches, average 16 inches.
            Spruce maximum 14 inches, average 12 inches.

Defects: Fir - limbyness, crook, buttrot.


Fir-Lodgepole Pine-Spruce 6.1 M per acre

Accessible.

Site: Fir 100; spruce 100; lodgepole pine 90.

Volume: Fir 45%; spruce 22%; balsam 9%; lodgepole pine 24%.

Diameters: Fir maximum 20 inches, average 16 inches.
            Spruce maximum 18 inches, average 14 inches.
            Balsam maximum 16 inches, average 14 inches.
            Lodgepole pine maximum 14 inches, average 12 inches.

Defects: Fir - crook, limbyness.


Other Areas

Mixed Lodgepole Pine 1844 (20%) and Lodgepole Pine 1875 (80%) 1,370 acres

Accessible.

Site: Good.

Density: Lodgepole pine 1,200 trees per acre approximately. Other species 200 trees per acre approximately.

Potential Use: Sawlogs, ties and pulpwood.


Lodgepole Pine-Spruce-Balsam 1867 650 acres

Accessible.

Site: Good.

Density: Spruce 250 trees per acre
         Balsam 80 trees per acre
         Lodgepole pine 270 trees per acre

Potential Use: Pulpwood and sawlogs.

Remarks: Good logging conditions. Flat rolling topography, swampy ground in parts. Good spruce reproduction.
Lodgepole Pine-Spruce-Fir 1855

Accessible.

Site: Good.

Density: Fir 70 trees per acre,
         Larch 40 trees per acre,
         Spruce 100 trees per acre,
         Balsam 20 trees per acre,
         Lodgepole pine 130 trees per acre,
         Cedar 30 trees per acre.

Potential Use: Sawlogs and ties.

Remarks: Good logging conditions. Gentle slopes.
         Thick reproduction. Stand in good condition.

Other areas in the compartment include 3,050 acres of immature, largely lodgepole pine of ages varying between 1848 and 1900. All these types are thrifty, well stocked and well formed. 270 acres of mature are scattered throughout the compartment.

Compartment 55C

Main Area

Burned 1934

This burn is entirely within an area of rolling hills where good soil is plentiful in the draws and on flats and rocky soil is general elsewhere. As yet the area has come up only in annuals such as fireweed. In some areas fir and lodgepole pine seedlings averaging less than 10 seedlings per acre are to be found. Very scattered fir and spruce seed trees.

Mature Areas

Spruce-Lodgepole Pine 10 M per acre

See compartment 44B.

Lodgepole Pine-Spruce 15 M per acre

Accessible.

Site: Good.

Volume: Spruce 30%; lodgepole pine 70%.

Remarks: Good logging conditions. Topography and soil same as in burn. Stand mature and clean.
         Volume estimated.
Spruce-Lodgepole Pine 5.2 M per acre

Accessible.

Site: Spruce 100; lodgepole pine 80.
Volume: Spruce 59%; lodgepole pine 37%; other species 4%.

Diameters: Spruce maximum 24 inches, average 16 inches.
          Lodgepole pine maximum 16 inches, average 12 inches.

Defects: Spruce - heartrot.
        Lodgepole pine - heartrot, catface.

Remarks: Good logging conditions. Topography and soil
        same as in burn. Heavy windfall 20% of lodgepole
        pine dead and down. Much of the spruce infected
        with decay. A good pulp stand.

Other Areas

The rest of the compartment includes 3,690 acres of
lodgepole pine and spruce immature, well stocked and
thrifty. In the southern part of the compartment there
are 640 acres of scattered lodgepole pine 1907. A very
open stand - no commercial value.

Compartment 55D

Main Area

Spruce-Balsam 4.8 M per acre

Accessible.

Site: Spruce 80; lodgepole pine 80.
Volume: Spruce 65%; balsam 27%; lodgepole pine 8%.

Diameters: Spruce maximum 24 inches, average 16 inches.
          Balsam maximum 24 inches, average 16 inches.
          Lodgepole pine maximum 22 inches, average 15 inches.

Defects: Spruce - catface, heartrot, buttrot.
        Balsam - catface, heartrot, frost split.
        Lodgepole pine - decay because of decadence.

Remarks: Good logging conditions. Logs would have to be
        hauled out via Haddo Lake 20 miles to Lumby.
        This road would serve all mature areas in Com-
        partments 55B, 55C, 55D, 55E and possibly 29C.
        Gentle slopes, somewhat swampy ground in places
        and no rock. The stand on the whole is some-
        what defective and should be logged as soon as
        possible. Mixed sawlogs and pulpwood.
Mature Areas

Lodgepole Pine 8.7 M per acre

Accessible.

| Site: Spruce 80; lodgepole pine 90. |
| Volume: Spruce 18%; balsam 1%; lodgepole pine 81%. |
| Diameters: Spruce maximum 16 inches, average 14 inches. |
| Balsam maximum 14 inches, average 12 inches. |
| Lodgepole pine maximum 20 inches, average 12 inches. |
| Defects: Spruce - knotty, heartrot. |
| Balsam - heartrot, frost split. |
| Lodgepole pine - dead tops, heartrot, limby, catface. |
| Remarks: Good logging conditions. Gentle slopes - patches |
| of heavy windfall - little undergrowth. Stand |
| in good condition. |

Spruce-Balsam 2.7 M per acre

Accessible.

| Site: Spruce 80; lodgepole pine 70. |
| Volume: Spruce 64%; balsam 32%; lodgepole pine 4%. |
| Diameters: Spruce maximum 18 inches, average 14 inches. |
| Balsam maximum 18 inches, average 14 inches. |
| Lodgepole pine maximum 18 inches, average 14 inches. |
| Defects: Spruce - buttrot, heartrot. |
| Balsam - frost cracks, heartrot. |
| Lodgepole pine - catface, heartrot. |
| Remarks: Fair logging conditions. Slopes gentle to |
| moderate. Rock outcrops on upper elevations. |
| Reproduction heavy - windfall moderate. Stand |
| very defective - particularly in upper reaches |
| of the type. This stand is decadent and should |
| be cut as soon as possible for pulpwood. |

Other Areas

Mixed Lodgepole Pine 1888 and 1900

See Compartment 55E.

Balsam 1902

Accessible.

| Site: Fair. |
| Density: Spruce 60 trees per acre. |
| Balsam 670 trees per acre. |
| Lodgepole pine 100 trees per acre. |
| Potential Use: Pulpwood. |
| Remarks: Gentle slopes, occasional rock outcrops, |
| generally rocky soil is typical of this type. |
| Because of slow growth it will be many decades |
| before the area is of any commercial value. |
Compartment 55E

Main Area

Mixed Lodgepole Pine 1888 and 1900 5,250 acres
This area is fully stocked throughout with fast growing lodgepole pine. 5% of area is immature of other age classes. Balsam and spruce constitute only 10% of the total stems per acre. The topography is gentle and there are few scattered rock outcrops. In the flats, swamps or swampy soils are general.

Mature Areas

Lodgepole Pine 8.7 M per acre 240 acres
See Compartment 55D.

Compartment 56

Main Area

Lodgepole Pine-Spruce-Larch 1880 and 1900 3,580 acres
Accessible.
Site: Good.
Density: Fir 20 trees per acre
Larch 60 trees per acre
Spruce 60 trees per acre
Balsam 40 trees per acre
Lodgepole pine 540 trees per acre
Potential Use: Sawlogs.
Remarks: Good logging conditions. Flat or gently sloping land. Throughout the type west of Nicklen Creek 30% of the area has a scattered stand of large old growth larch. East of Nicklen Creek there are scattered seed trees of spruce and larch. Lodgepole pine-spruce-larch 1880 constitutes 40% of the stand; lodgepole pine-spruce-larch 1900, 50% of the stand. The remaining 10% is covered by other age classes.

Mature Areas

Fir-Larch 5.2 M per acre 360 acres
See Compartment 55A.
Fir-Yellow Pine-Larch (Fir Cordwood)

1.6 M per acre, Part-Logged 300 acres

Accessible.

Site: Yellow pine medium; fir 70; larch II.
Volume: Yellow pine 36%; fir 38%; larch 20%; cedar 6%.
Diameters: Yellow pine maximum 26 inches, average 26 inches.
Fir maximum 26 inches, average 20 inches.
Larch maximum 26 inches, average 20 inches.
Defects: Fir and larch - fire scar, crook, shake, limbiness and heartrot.
Remarks: Good logging conditions - moderate slope - heavy underbrush in places. Cut in trees per acre: fir 13 and larch 8.7. Average diameter for both species 16 inches.

Fir 2.3 M per acre 260 acres

Accessible.

Site: Fir 80; larch II; spruce 100; lodgepole pine 80.
Volume: Fir 78%; larch 7%; spruce 5%; lodgepole pine 6%; cedar 4%.
Diameters: Fir maximum 26 inches, average 18 inches.
Larch maximum 20 inches, average 16 inches.
Spruce maximum 12 inches, average 12 inches.
Lodgepole pine maximum 14 inches, average 14 inches.
Defects: Fir - crook, buttrot, limbiness, windshake.
Larch - heartrot, dead top.
Cedar - heartrot, pocket rot.
Remarks: Good logging conditions. Moderate to steep slopes - rock outcrop - heavy underbrush. Defect in this area is very high, producing as a result low grade timber. Beetle infestation present.

Fir-Larch 2.9 M per acre, Part-Logged 710 acres

Accessible.

Site: Fir 70; larch III.
Volume: Fir 63%; larch 34%; other species 3%.
Diameters: Fir maximum 30 inches, average 16 inches.
Larch maximum 26 inches, average 18 inches.
Defects: Fir - buttrot, crook, poor form.
Larch - heartrot, buttrot.
Remarks: Good logging conditions. Moderate slopes to flats. Heavy reproduction. Cut in trees per acre: fir 5.1, larch 4.1 and cedar 0.3. Average diameter for all species 14 inches. Defect very high.
Fir-Yellow Pine 3.8 M per acre

Accessible.
Site: Yellow pine tall; fir 90; larch 11.
Volume: Yellow pine 27%; fir 59%; larch 13%;
cedar 1%.
Diameters: Yellow pine maximum 34 inches, average 26 inches.
Fir maximum 28 inches, average 18 inches.
Larch maximum 20 inches, average 16 inches.
Defects: Yellow pine - fire scars.
Fir - fire scars, ring shake, heartrot.
Larch - fire scars, heartrot.
Remarks: Fair to good logging conditions. Slopes are
moderate to steep. Scattered rock outcrops.
Little reproduction or other undergrowth.

Fir-Larch 5.4 M per acre, Part-Logged

Accessible.
Site: Fir 100; larch 11.
Volume: Fir 55%; larch 45%.
Diameters: Fir maximum 28 inches, average 20 inches.
Larch maximum 26 inches, average 18 inches.
Remarks: Good logging conditions. Even moderate slope,
good soil, no rock outcrop. Good stock of
reproduction. Cut in trees per acre: fir 2.5
and larch 3.0.

Other Areas

Fir Selectively Logged

Accessible.
Site: Fir 60; other species good.
Density: Yellow pine 10 trees per acre
   Fir 70 trees per acre
   Larch 10 trees per acre
   Cottonwood and birch 10 trees per acre
Larch and fir 0 and 2 inch diameter classes,
440 trees per acre.
Potential Use: Sawlogs.
Remarks: Excellent logging conditions. Flat to gentle
slopes. Good soil for agricultural purposes.
No brush. Recommended for farm woodlot.
Larch-Fir Logged and Burned 1929.

Scattered Fir

Accessible

Site: Good

Density: Yellow pine 30 trees per acre
        Fir 320 trees per acre) large 0
        Larch 410 trees per acre) diameter
        Lodgepole Pine 10 trees per acre) class.

Potential Use: Sawlogs.

Remarks: Area virtually flat, good soil, no rock and
        not satisfactorily stocked except on the
        fringes bordering adjacent types. Prospects
        of satisfactory stocking in the near future
        are good.

Other areas of any importance include some 1,350 acres
of lodgepole pine, balsam and spruce immature which are
satisfactorily stocked and growing on good sites in the
back of the compartment to the east of Nicklen Lake.
Scattered throughout the lower elevations are fir,
larch and aspen immature stands.

Compartment 57A

Main Area

Fir-Larch 5.1 M per acre  2,280 acres

Accessible

Site: Yellow pine medium; fir 90; larch II; spruce 80;
        lodgepole pine 80.

Volume: Yellow pine 1%; fir 51%; larch 38%; lodgepole
        pine 1%; cedar 9%.

Diameters: Fir maximum 30 inches, average 18 inches.
        Larch maximum 42 inches, average 20 inches.
        Cedar maximum 24 inches, average 16 inches.

Defects: Fir - crook, limbiness, shake, buttrot,
        trunkrot.
        Larch - heartrot, buttrot and fire scar.
        Cedar - limbiness and buttrot.

Remarks: Hilly country with numerous draws, steep
        slopes and rolling flats. Poor to good
        logging conditions. The stand varies greatly
        in volume from 2 M to 15 M per acre. The
        bulk of the cedar is to be found in or near
        the creek bottom. In southern and eastern
        fringes there are scattered patches of cedar
        pole logging.
Fir 6.9 M per acre, Part-Logged 170 acres
Accessible.
Site: Fir 100; larch II.
Volume: Fir 77%; larch 17%; cedar 6%.
Diameters: Fir maximum 26 inches, average 18 inches.
Larch maximum 20 inches, average 16 inches.
Cedar maximum 14 inches, average 12 inches.
Defects: Fir - fire scars and ring shake.
Larch - heartrot and buttrot.
Cedar - pocket rot, and buttrot.
Remarks: Steep slopes are characteristic of stand.
Underbrush and reproduction patchy. Cedar suitable only for posts, stakes, etc. - all good poles have been removed - 10 poles per acre. Good logging conditions.

Larch-Fir 7.7 M per acre, Part-Logged 1924-1928 and 1937-1939 770 acres
Accessible.
Part-Logged 1924-1928 and 1937-1939
Site: Fir 90; larch I; spruce 100; lodgepole pine 80.
Volume: fir 36%; larch 40%; spruce 10%; lodgepole pine 1%; white pine 5%; cedar 2%.
Diameters: Fir maximum 32 inches, average 20 inches.
Larch maximum 40 inches, average 24 inches.
Spruce maximum 20 inches, average 14 inches.
Defects: Fir - heartrot, buttrot, crook, limbyness.
Larch - heartrot, fire scar.
Spruce - limbyness.
White pine - buttrot, limbyness and shake.
Remarks: Gentle slopes, good soil, few rock outcrops.
In general reproduction good - underbrush heavy in places. Trees per acre cut to date are fir 2.2, larch 2.2 and cedar 17. Very good logging conditions. Fair logging roads already in existence.

Fir-Larch 3.5 M per acre, Part-Logged 1924-1928 and 1937-1939 830 acres
Accessible.
Site: Fir 80; larch II.
Volume: Fir 60%; larch 40%.
Diameters: Fir maximum 26 inches, average 18 inches.
Larch maximum 26 inches, average 20 inches.
**Defects:** Fir - heartrot, shake, limbyness and fire scar.
Larch - heartrot, crook, limbyness and fire scar.

**Remarks:** Moderate slopes, good soil, rock outcrops.
Reproduction good. Good logging conditions.
Cut per acre: fir 4.8, larch 9.5, and cedar 1.5. Largely fir and larch ties.

**Fir-Larch 6.4 M per acre**

<table>
<thead>
<tr>
<th>510 acres</th>
</tr>
</thead>
</table>

**Accessible.**

**Site:** Yellow pine medium; fir 90; larch II.

**Volume:** Fir 67%; larch 29%; yellow pine and cedar 4%.

**Diameters:** Fir maximum 36 inches, average 20 inches.
Larch maximum 26 inches, average 20 inches.

**Defects:** Fir - crook.
Larch - heartrot, buttrot, fire scars.

**Remarks:** Moderate to steep slopes, rocky soil, fair reproduction are characteristics of the type.
Good logging chance - patches of logging in lower elevations.

**Fir 2.4 M per acre, Part-Logged**

<table>
<thead>
<tr>
<th>430 acres</th>
</tr>
</thead>
</table>

**Accessible.**

**Site:** Yellow pine medium; fir 90; larch II.

**Volume:** Yellow pine 14%; fir 70%; larch 16%.

**Diameters:** Yellow pine maximum 20 inches, average 16 inches.
Fir maximum 28 inches, average 20 inches.
Larch maximum 20 inches, average 16 inches.

**Defects:** Fir - ring shake, pitch pockets.
Larch - heatrot.

**Remarks:** Excellent logging conditions. Little underbrush, no rock outcrops. Gentle to moderate slopes, Area has already been twice logged at its lower elevations. Cut in trees per acre: yellow pine 5.5, fir 11, larch 4.0.

**Yellow Pine (Fir Cordwood) 1.0 M per acre.**

<table>
<thead>
<tr>
<th>Semi-Open Range 20% Rock</th>
</tr>
</thead>
<tbody>
<tr>
<td>150 acres</td>
</tr>
</tbody>
</table>

**Accessible.**

**Site:** Yellow pine short.

**Remarks:** Merchantable volume 100% yellow pine. Slopes steep, stand open and suitable at present for grazing only. Yellow pine has a future value only.
Other Areas

Fir Selectively Logged 470 acres
Accessible.
Site: Good.
Density: Fir 300 trees per acre )
Larch 10 trees per acre ) 0 inch
Spruce 10 trees per acre ) diameter
Lodgepole pine 180 trees per acre (large 2 inches) ) class
Cedar 10 trees per acre ) excluded.
Potential Use: Fir ties and sawtimber.
Remarks: Area in lower elevations of valley - alternate slopes and benches. Excellent logging condition. Restocking is satisfactory and good growth can be expected.

Cedar-Fir-Larch Selectively Logged 330 acres
Accessible.
Site: Good.
Density: Fir 10 trees per acre )
Larch 10 trees per acre ) 7 inches in diameter
Cedar 30 trees per acre ) and up.
There are also 40 fir 0 inch diameter class,
20 spruce 0 inch " "
1,280 cedar 0, 2 & 4 inch diameter classes.
Potential Use: Fir, larch ties and cedar poles.
Remarks: Excellent logging conditions - gentle slope, good soil, no rock outcrops, little underbrush. This area has been quite extensively logged.
Trees cut per acre: fir 38, larch 11, cedar 16, birch 1.

Birch-Lodgepole Pine-Fir 1913 380 acres
Accessible.
Site: Very good.
Density: Fir 170 trees per acre.
Larch 80 trees per acre.
Spruce 10 trees per acre.
Lodgepole pine 220 trees per acre.
Aspen 70 trees per acre.
Birch 440 trees per acre.
Potential Use: Fir, larch ties, fuel and birch veneer.
Remarks: Excellent logging conditions. Flat topography, excellent soil. Recommended for farm woodlot.
Other areas in the compartment consist largely of 1,090 acres of lodgepole pine 1870 in the extreme northwest, fir, larch and birch immature types on the ridge to the west and north of Lumby and fir, larch and yellow pine immature types on the east side of Vance Creek.

**Compartment 57B**

**Main Area**

<table>
<thead>
<tr>
<th>Lodgepole Pine—Fir—Larch 1870 (Lodgepole Pine—Larch—Fir)</th>
<th>5.5 M per acre</th>
<th>3,680 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Accessible.</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Site: Fir 80; larch II; spruce 80; lodgepole pine 80.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Density:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fir 50 trees per acre</td>
<td>0, 2 and 4</td>
<td></td>
</tr>
<tr>
<td>Larch 60 trees per acre</td>
<td>inch diameter</td>
<td></td>
</tr>
<tr>
<td>Lodgepole pine 120 trees per acre</td>
<td>classes</td>
<td></td>
</tr>
<tr>
<td>Cedar 10 trees per acre</td>
<td>omitted</td>
<td></td>
</tr>
<tr>
<td>Birch 40 trees per acre</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Volumes:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fir 29%; larch 31%; lodgepole pine 33%; white pine 1%; aspen 4%; spruce, cedar and birch 2%.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Potential Use:</strong> Sawlogs, ties and cedar poles.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Remarks:</strong> Easy to moderate slopes. The stand is fast growing with light understory except for occasional patches of cedar overstocked. Some larch and lodgepole pine limby and poorly formed. No windfall. Excellent logging conditions.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Mature Areas**

<table>
<thead>
<tr>
<th>Fir—Cedar 9.7 M per acre, Part-Logged 1930-1933</th>
<th>450 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Accessible.</strong></td>
<td></td>
</tr>
<tr>
<td>Site: Fir 90; larch II; spruce 60; lodgepole pine 70.</td>
<td></td>
</tr>
<tr>
<td><strong>Volume:</strong></td>
<td></td>
</tr>
<tr>
<td>Fir 41%; larch 8%; spruce 8%; white pine 14%; cedar 23%; cottonwood 3%; birch 2%; lodgepole pine and hemlock 1%.</td>
<td></td>
</tr>
<tr>
<td><strong>Diameters:</strong></td>
<td></td>
</tr>
<tr>
<td>Fir maximum 26 inches, average 18 inches.</td>
<td></td>
</tr>
<tr>
<td>Larch maximum 23 inches, average 20 inches.</td>
<td></td>
</tr>
<tr>
<td>Spruce maximum 20 inches, average 16 inches.</td>
<td></td>
</tr>
<tr>
<td>White pine maximum 28 inches, average 18 inches.</td>
<td></td>
</tr>
<tr>
<td>Cedar maximum 46 inches, average 24 inches.</td>
<td></td>
</tr>
<tr>
<td>Cottonwood maximum 20 inches, average 16 inches.</td>
<td></td>
</tr>
<tr>
<td>Birch maximum 14 inches, average 12 inches.</td>
<td></td>
</tr>
</tbody>
</table>
Defects: Larch - heartrot.
Cedar - catface and limbiness.
Remarks: Stand on good site in valley bottom. Old defective larch-cedar stand is being replaced by thrifty fir-cedar. Scattered throughout are thrifty white pine, spruce, hemlock, lodgepole pine, birch and cottonwood. Understory mainly cedar-spruce. Trees removed per acre: fir 2.7, larch 0.8, lodgepole pine 0.4, white pine 0.4, cedar 9.1 (average diameter 14 inches).

Larch-Fir 11 M per acre, Selectively Logged
for Cedar Poles 270 acres

Accessible.
Site: Fir 90; larch II; spruce 80.
Volume: Fir 35%; larch 53%; spruce 1%; lodgepole pine 2%; white pine 2%; cedar 5%; birch 2%.
Diameters: Fir maximum 32 inches, average 20 inches.
Larch maximum 40 inches, average 22 inches.
Spruce maximum 12 inches, average 12 inches.
Lodgepole pine maximum 12 inches, average 12 inches.
White pine maximum 12 inches, average 12 inches.
Cedar maximum 24 inches, average 18 inches.
Birch maximum 14 inches, average 12 inches.

Defects: Fir - fire scars and crook.
Larch - heartrot and fire scars.
Cedar - buttrot and catface.
Remarks: Moderate slopes and lack of rock make this a good logging show. In general area has understory of overstocked cedar. 3.6 cedar poles cut per acre.

Fir-Larch 6.5 M per acre 180 acres

Accessible.
Site: Fair.
Volumes: Fir 54%; larch 23%; spruce 8%; white pine 6%; cedar 7%.
Larch-Lodgepole Pine 4.0 M per acre 260 acres

Accessible.

Site: Fair to poor.

Volumes: Fir 13%; larch 50%; spruce 13%; lodgepole pine 25%.


Other Areas

Lodgepole Pine-Larch-Fir 1870 (Fir-Larch 4.6 M per acre) 2,720 acres

Accessible.

Site: Fir 100; larch III; spruce 100; lodgepole pine 80.

Density: Fir 20 trees per acre

Larch 20 trees per acre 8 inch diameter

Lodgepole pine 30 trees per acre class and up.

Aspen 10 trees per acre, 6 inch diameter class and up.

Volume: Fir 36%; larch 33%; spruce 4%; lodgepole pine 18%; white pine 7%; aspen 2%.

Potential Use: Fir and larch ties and sawlogs.

Remarks: Easy to moderate slopes - good soil - good logging conditions. No reproduction. Because of the light stocking and despite excellent site the timber is limby and low grade.

Lodgepole Pine-Larch-Fir 1870 (Larch-Fir-Lodgepole Pine 3.4 M per acre) 310 acres

Accessible.

Site: Fir 70; larch III; spruce 80; lodgepole pine 80.

Density: Fir 10 trees per acre

Larch 20 trees per acre 6 inch diameter

Spruce 10 trees per acre class and up.

Lodgepole pine 40 trees per acre

Volume: Fir 25%; larch 34%; spruce 6%; lodgepole pine 33%; balsam and cedar 2%.

Potential Use: Sawtimber, pulp and ties.

The rest of the compartment except in the far west is composed of fir-larch-lodgepole pine immature stands, well stocked and of all ages from 1870 to 1926. In the far west is 1,300 acres of scattered balsam-spruce-lodgepole pine and 1,020 acres of scattered larch-fir-lodgepole pine 1870. Both areas are unsatisfactorily stocked and heavily overgrown with brush.

**Compartment 58A**

**Main Area**

**Open Range**

2,590 acres

Generally very steep slopes - all south exposures.

**Mature Areas**

**Larch-Fir 8.2 M per acre**

280 acres

Accessible.

Site: Fir 90; larch III; spruce 80.

Volume: Fir 22%; larch 60%; spruce 9%; balsam, lodgepole pine, cedar 9%.

Diameters: Fir maximum 32 inches, average 18 inches.

Larch maximum 36 inches, average 20 inches.

Spruce maximum 18 inches, average 14 inches.

Defects: Fir - buttrot.

Larch - buttrot and fire scars.


**Larch-Fir 7.8 M per acre**

630 acres

Accessible.

Site: Fir 80; larch III; spruce 80.

Volume: Fir 42%; larch 46%; spruce 8%; lodgepole pine, cedar and birch 4%.

Diameters: Fir maximum 38 inches, average 20 inches.

Larch maximum 54 inches, average 22 inches.

Spruce maximum 24 inches, average 16 inches.

Defects: Fir - heartrot and ring shake.

Larch - heartrot.

Fir-Larch 1.8 M per acre 400 acres

Accessible.
Site: Fir 60; larch III.
Volume: Fir 65%; larch 35%.
Diameters: Fir maximum 26 inches, average 16 inches.
Larch maximum 28 inches, average 16 inches.
Defects: Fir - ring shake, deformities, limbiness.
Little exposed rock. Stand is open and
offers fair grazing. Poor quality timber as it
is fringe timber of southern brow of the ridge.

Compartment 588

Main Area

Fir-Larch 6.5 M per acre 1,330 acres

Accessible.
Site: Fir 90; larch II; spruce 80; lodgepole pine 70.
Volumes: Fir 65%; larch 27%; other species 8%.
Diameters: Fir maximum 34 inches, average 20 inches.
Larch maximum 28 inches, average 16 inches.
Defects: Fir - limbiness, crook, fire scar, ring shake.
Larch - buttrot, heartrot, fire scar, ring shake.
Remarks: Fair to good logging conditions. Easy to
steep slopes. Many rock outcrops. Moderate
reproduction - little underbrush. On the
whole the stand is free of serious defect.

Mature Areas

Lodgepole Pine-Spruce 3.9 M per acre 170 acres

Accessible.
Site: Spruce 60; lodgepole pine 70.
Volumes: Spruce 36%; balsam 5%; lodgepole pine 59%.
Diameters: Spruce maximum 26 inches, average 14 inches.
Lodgepole pine maximum 16 inches, average
12 inches.
Defects: Limbiness, catface, poor form.
Remarks: Fair logging conditions. Rolling somewhat
swampy country - rich soils in flats and
rocky soil on upper elevations.
Lodgepole Pine 9.7 M per acre 190 acres

Accessible.
Site: Fir 80; larch II; spruce 80; lodgepole pine 80.
Volumes: Lodgepole pine 85%; fir, larch, spruce and balsam 15%.

Diameters: Lodgepole pine maximum 16 inches, average 12 inches.
Defects: Lodgepole pine - catface.
Remarks: Fair logging conditions. Gentle to moderate slopes. Rocky soil, good drainage and no undergrowth.

Fir-Larch 12 M per acre 70 acres

Accessible.
Site: Fir 70; larch II.
Volumes: Fir 48%; larch 45%; spruce, balsam and cedar 7%.

Diameters: Fir maximum 34 inches, average 22 inches.
Larch maximum 20 inches, average 20 inches.
Defects: Fire scar, crook and heartrot.
Remarks: Good logging conditions. Moderate slope, heavy reproduction, good soil, little rock. Timber clean and dense.

Other Areas

Larch 1872 370 acres

Accessible.
Site: Good.
Density: Fir 30 trees per acre ) 0 and 2 inch
) diameter classes
Larch 250 trees per acre
Lodgepole pine 20 trees per acre) omitted.

Potential Use: Sawlogs.
Remarks: Good logging conditions. Moderate slopes. Heavy underbrush, good soil, little rock. Larch is quite defective.

Other areas in this compartment include 600 acres of well stocked fir-larch 1888 on good sites on the lower elevations of the mountain side; large areas of satisfactorily stocked lodgepole pine, spruce and fir in the south half of the compartment; scattered small patches of yellow pine, fir, spruce and lodgepole pine mature (320 acres).
Compartment 58C

Main Area

Lodgepole Pine-Spruce 1878 1,930 acres

Accessible.
Site: Good.
Density: Satisfactorily stocked.
Potential Use: Sawlogs and pulpwood.
Remarks: Poor to good logging conditions. Slopes vary from gentle to steep. Rock outcrops are numerous and the type is cut in two by an escarpment running east and west. The whole area is heterogeneous in nature with fir and larch more prominent, particularly at the lower elevations below the escarpment. There are scattered patches of partially logged areas on the fringes of the type.

Mature Areas

Spruce-Cedar-Larch 4.8 M per acre 130 acres

Accessible.
Site: Fir 120; larch II; spruce 100.
Volume: Fir 19%; larch 23%; spruce 33%; cedar 25%.
Diameters: Fir maximum 22 inches, average 16 inches.
Larch maximum 36 inches, average 20 inches.
Spruce maximum 22 inches, average 16 inches.
Cedar maximum 24 inches, average 16 inches.
Defects: Fir - fire scar, crock, limbiness.
Larch - heartrot, crock.
Remarks: Good logging conditions. Moderate slopes, rocky soil, dense reproduction.

Larch-Spruce-Fir 7.0 M per acre 200 acres

Accessible.
Site: Fir 100; larch II; spruce 100.
Volume: Fir 16%; larch 44%; spruce 36%; balsam 3%; cedar 1%.
Diameters: Fir maximum 26 inches, average 20 inches.
Larch maximum 32 inches, average 20 inches.
Spruce maximum 18 inches, average 14 inches.
Defects: Fir - heartrot and ringshake.
Larch - heartrot and limbiness.
Spruce - limbiness.
Remarks: Good logging conditions. Gentle slopes, moderate reproduction - little underbrush, windfall heavy. Largely sawlog and tie timber.
Fir-Larch 20 M per acre  190 acres

Accessible.
Site: Fir 100; larch I; spruce 100.
Volume: Fir 48%; larch 44%; spruce 3%; cedar and balsam 5%.
Diameters: Fir maximum 50 inches, average 22 inches.
Larch maximum 45 inches, average 22 inches.
Defects: Fir - crook, fire scars.
Larch - heartrot and fire scars.
Cedar - catface, buttrot.
Windfall medium. Excellent sawlog stand with clear boles and little defects.

Yellow Pine-Fir (Fir Cordwood) 3.0 M per acre  130 acres

Accessible.
Site: Yellow pine medium; fir 60.
Volume: Yellow pine 68%; fir 30%; cedar 2%.
Diameters: Yellow pine maximum 34 inches, average 28 inches.
Fir maximum 26 inches, average 20 inches.
Defects: Yellow pine - limbyness, fire scar, ring shake, crook.
Fir - limbyness, fire scar, crook.
Remarks: Good logging conditions. Steep slopes. Little underbrush. In general trees are of poor form.

Fir-Larch 3.6 M per acre  830 acres

Accessible.
Site: Fir 70; larch II; spruce 80; lodgepole pine 80.
Volume: Fir 46%; larch 48%; cedar 3%; spruce, balsam and lodgepole pine 3%.
Diameters: Fir maximum 34 inches, average 22 inches.
Larch maximum 35 inches, average 20 inches.
Defects: Fir - buttrot, heartrot, fire scars.
Larch - buttrot, heartrot, fire scars.
Remarks: Fair to good logging conditions. Gentle to steep slopes. A few rock outcrops, rocky soil and heavy undergrowth of cedar, fir, spruce and lodgepole pine. Timber clean of limbs but very rotten.

Fir-Larch-Spruce 8.7 M per acre, Part-Logged 110 acres

Accessible.
Site: Fir 90; larch II; spruce 80; lodgepole pine 80,
Volume: Fir 41%; larch 29%; spruce 24%; lodgepole pine and cedar 6%.

Diameters: Fir maximum 30 inches, average 20 inches.
Larch maximum 34 inches, average 22 inches.
Spruce maximum 28 inches, average 16 inches.

Defects: Fir - crock, sweep.
Larch - heartrot, buttrot.

Remarks: Good logging conditions. Gentle slopes, light windfall, moderate reproduction, little brush. Cut in trees per acre: fir 1.7, larch 3.7, spruce 2.9, lodgepole pine 9.7 and cedar 3.1. The cut has been for ties, posts and poles.

Larch-Cedar 4.8 MB per acre 160 acres

Accessible.

Site: Fir 70; larch II; spruce 60.

Volumes: Larch 57%; spruce 16%; cedar 19%; other species 9%.

Remarks: Good logging conditions. Easy slopes. This area has a better stand of timber than the tally indicates. Suitable for sawtimber.

Yellow Pine-Fir-Larch 5.1 MB per acre 230 acres

Part-Logged

Accessible.

Site: Yellow pine medium; fir 70; larch II.

Volume: Yellow pine 58%; fir 21%; larch 21%.

Diameters: Yellow pine maximum 40 inches, average 22 inches.
Fir maximum 24 inches, average 14 inches.
Larch maximum 26 inches, average 18 inches.

Defects: Yellow pine - crock.
Fir - crock, limbyness.
Larch - heartrot.


Other Areas

Fir-Larch Selectively Logged 840 acres

Accessible.

Site: Good.
Density: Fir 150 trees per acre
Larch 50 trees per acre
Spruce 20 trees per acre
Lodgepole pine 10 trees per acre
Cedar 10 trees per acre

Potential Use: Posts, poles and cordwood.

Remarks: Good logging conditions. Moderate to gentle slopes. Cut in trees per acre: yellow pine 0.7, fir 2.0, larch 1.7 and cedar 3.7. Logging off strip generally heavier. Residual stand very poor - suitable largely for minor products.

Larch-Fir Selection Stand
Accessible.

Site: Very good.

Density: Fir 120 trees per acre
Larch 190 trees per acre

Potential Use: Sawtimber and cordwood.

Remarks: Good logging conditions. Moderate slopes. A fast growing stand which in several decades should be of commercial value.

Larch-Fir (Birch) Selectively Logged
Accessible.

Site: Very good.

Density: Fir 50 trees per acre
Larch 100 trees per acre
Lodgepole pine 30 trees per acre
Cull birch 70 trees per acre.

Potential Use: Ties and sawlogs.

Remarks: Good logging conditions. Moderate slopes. Cut in trees per acre: fir 3.0, larch 1.0 and lodgepole pine 1.0.

The rest of the compartment is composed largely of immature stands of lodgepole pine, fir and larch, selectively logged areas of fir and larch.

Compartment 58D

Main Area

Larch-Fir 5.6 M per acre

Accessible.

Site: Fir 90; larch II; spruce 80.
**Volume**: Fir 38%; larch 52%; spruce 1%; cedar 9%.

**Diameters**: Fir maximum 28 inches, average 16 inches.
Larch maximum 26 inches, average 20 inches.
Cedar maximum 22 inches, average 14 inches.

**Defects**: Fir - crook, limbyness, shake and heartrot.
Larch - crook, fire scar, buttrot and heartrot.
Cedar - limbyness and heartrot.

**Remarks**: Fair logging conditions. Moderate slope.
Mature stand of larch-fir with bulk of the cedar in creek bottom. Defects although varied are comparatively light. Understory of cedar-fir overstocked.

---

### Mature Areas

#### Fir-Spruce-Cedar 8.6 M per acre

**Accessible**,

**Site**: Fir 90; larch II; spruce 100.

**Volume**: Fir 36%; larch 9%; spruce 27%; balsam 6%; cedar 22%.

**Diameters**: Fir maximum 36 inches, average 18 inches.
Larch maximum 26 inches, average 18 inches.
Spruce maximum 24 inches, average 16 inches.

**Defects**: Fir - buttrot, limbyness, heartrot, crook.
Larch - heartrot, limbyness and fire scars.

**Remarks**: Fair logging conditions. Moderate slopes.
Scattered patches of scrub. Little underbrush.
Sawlog fir poorly formed but the larch is quite good. Few yellow pine on lower west edge of stand. A defoliator has killed an average of 9 fir trees per acre.

#### Fir 5.5 M per acre

**Accessible**,

**Site**: Fir 100; larch II; spruce 100.

**Volume**: Fir 79; larch 10%; spruce 8%; other species 3%.

**Diameters**: Fir maximum 30 inches, average 20 inches.
Larch maximum 26 inches, average 20 inches.
Spruce maximum 16 inches, average 14 inches.

**Defects**: Fir - crook, limbyness, wind shake.
Larch - heartrot and buttrot.

**Remarks**: Fair logging conditions. Slope varies from almost flat to moderate. Fir suitable for sawlogs and ties, but has a certain amount of noticeable defect. Fir-larch understory in the western areas of the type - spread throughout the stand are scattered larch, spruce and cedar.
Fir-Larch 7.7 M per acre

Accessible.
Site: Fir 120; larch II; spruce 80.
Volume: Fir 46%; larch 43%; spruce 3%; cedar 7%;
        balsam 1%.
Diameters: Fir maximum 30 inches, average 18 inches.
        Larch maximum 30 inches, average 20 inches.
        Cedar maximum 16 inches, average 14 inches.
Defects: Larch - dead tops, broken tops.
        Cedar - heart and buttrot.
        Understory is of dense overstock cedar.
        Larch on the whole is overmature and slowly
dying out. No rock bluffs or outcrops.

Larch 9.2 M per acre

Accessible.
Site: Fir 70; larch I; spruce 80.
Volume: Fir 12; larch 65%; spruce 1%; cedar 4%.
Diameters: Fir maximum 20 inches, average 16 inches.
        Larch maximum 28 inches, average 18 inches.
        Cedar maximum 20 inches, average 14 inches.
Defects: Fir - buttrot.
        Larch - heartrot, fire scar.
        Cedar - buttrot, catface.
Remarks: Fair logging conditions. Moderate to steep
        slopes. Heavy underbrush and reproduction.

Fir 4.3 M per acre

Accessible.
Site: Fir 80; larch II.
Volume: Fir 88%; larch 12%.
Diameters: Fir maximum 26 inches, average 18 inches.
        Larch maximum 24 inches, average 24 inches.
Defects: Fir - limbyness, fire scars.
Remarks: Good logging conditions. Moderate slope,
little windfall and fairly open stand with
        patches of scrub.

Larch-Cedar-Fir 4.1 M per acre

Accessible.
Site: Fir 80; larch II; spruce 100%.
Volume: Fir 16%; larch 58%; spruce 4%; cedar 22%.
Diameters: Fir maximum 22 inches, average 18 inches.
        Larch maximum 26 inches, average 20 inches.
        Cedar maximum 26 inches, average 16 inches.
Defects: Fir - buttrot, fire scar.
        Larch - heartrot, fire scar.
        Cedar - buttrot, catface.

Remarks: Good logging conditions. No rock outcrop.
        Cedar poor. Dense understory of cedar over-
        stock.

Fir-Larch 10 M per acre

Accessible.

Site: Fir 80; larch II.

Volume: Fir 62%; larch 36%; cedar 2%.

Diameters: Fir maximum 36 inches, average 20 inches.
           Larch maximum 32 inches, average 22 inches.

Defects: Fir - fire scars.
           Larch - fire scars, heartrot.

Remarks: Good logging conditions. Easy slopes.
          Dense understory of cedar-fir. Heavy
          fungus damage. Little windfall.

Fir 6.0 M per acre

Accessible.

Site: Fir 80; larch III.

Volume: Fir 94%; larch 6%.

Diameters: Fir maximum 40 inches, average 20 inches.
           Larch maximum 24 inches, average 16 inches.

Defects: Fir - limbyness, catface.

Remarks: Excellent logging conditions. Easy slopes.
          Considerable amount of cordwood. Little
          reproduction. Some fair grazing areas. On
          the whole the stand is too open to produce
          higher grade fir sawlogs.

Fir-Yellow Pine 2.3 M per acre

Accessible.

Site: Yellow pine tall; fir 80; larch III.

Volume: Yellow pine 43%; fir 55%; larch 2%.

Diameters: Yellow pine maximum 32 inches, average 24 inches.
           Fir maximum 18 inches, average 14 inches.

Defects: Yellow pine - crook, limbyness, fire scar.
          Fir - crook, limbyness, fire scar, ring shake.

Remarks: Fair logging conditions. Steep slopes. Poor
          stand of fir with fir cordwood predominant in
          lower reaches. Scattered larch in upper
          elevations and scattered yellow pine in the
          lower elevations.
Other Areas

The other areas of the compartment consist largely of lodgepole pine, larch and fir immature stands in the upper elevations and selectively logged areas in the bottom and lower slopes of Coldstream Creek.

Compartment 58E

Main Area

Lodgepole Pine 1870 1,590 acres

Accessible.
Site: Lodgepole pine 80.
Density: Fir 10 trees per acre  )
Larch 10 trees per acre  ) excludes "0" inch class.
Spruce 10 trees per acre)
Lodgepole pine 460 trees per acre, average
   diameter 6 inches - no 0 inches.
Cedar 40 trees per acre - excludes 0 inches.
Remarks: This area is on the moderate upper slopes of the ridges back of Lumby. Soil good - little rock. Understory of alder and shepherdia.

Mature Areas

Scattered Fir 3.0 M per acre 180 acres

Accessible.
Site: Good.
Volume: Fir 50%; larch 17%; lodgepole pine 16%; cedar 17%.
Remarks: Scattered nature of timber and dense understory of cedar and larch reduce the logging chances in this area. Volumes are estimated.

Fir-Larch-Cedar 2.0 M per acre 120 acres

A creek bottom area, rough, overstocked with small cedar, but comparatively accessible. Volumes by species:
   fir 60%; larch 25%; cedar 25%. Volumes estimated.

Other Areas

The rest of the compartment is composed of fir, larch and cedar immature types from 1870 to 1901 in the south, lodgepole pine and larch immature types of 1870 to 1900 in the middle and northern areas, and two large non-commercial cover types, one of scattered lodgepole pine, aspen and alder in the west, and the other of scattered larch, fir and lodgepole pine in the north. Two immature types in the north-east have high volumes of timber over 11 inches in diameter. Immediately to their south is a recent burn satisfactorily stocked with lodgepole pine 1927.
Compartment 59

Main Area

Fir 7.0 M per acre  890 acres

Accessible.
Site: Yellow pine medium; fir 80; larch II.
Volume: Yellow pine 5%; fir 78%; larch 15%; lodgepole pine 2%.
Diameters: Yellow pine maximum 24 inches, average 18 inches.
Fir maximum 32 inches, average 18 inches.
Larch maximum 28 inches, average 18 inches.
Balsam maximum 16 inches, average 14 inches.
Lodgepole pine maximum 18 inches, average 14 inches.
Defects: Fir - shake, crook, limbsness.
Larch - fire scar, heartrot.
Remarks: Fair logging conditions. Topography varies from rolling to steep slopes. Soil good. Immature well stocked. Logging road by way of Brookside Creek would be the easiest means of access not only for this but also for the bulk of the remaining timber types.

Mature Areas

Larch 6.9 M per acre  300 acres

Accessible.
Site: Fir 80; larch II.
Volume: Fir 12%; larch 83%; cedar 5%.
Diameters: Fir maximum 28 inches, average 18 inches.
Larch maximum 34 inches, average 22 inches.
Cedar maximum 16 inches, average 14 inches.
Defects: Fir - shake, crook and limbsness.
Larch - trunk rot.
Remarks: Good logging conditions, typical larch stand of this area - good soil, moderate slopes, heavy overstocked cedar, etc.

Larch-Cedar 11 M per acre  250 acres

Accessible.
Site: Fir 70; larch II; spruce 100.
Volume: Fir 4%; larch 55%; spruce 14%; balsam 7%; cedar 20%.
Diameters: Fir maximum 16 inches, average 12 inches.
Larch maximum 40 inches, average 28 inches.
Spruce maximum 22 inches, average 16 inches.
Balsam maximum 14 inches, average 12 inches.
Cedar maximum 26 inches, average 20 inches.

Defects: Fir - limbyness and crook.
Larch - bad and heartrot.
Cedar - catface and buttrot.

Remarks: This area presents a good logging chance with a haul out via Brookside Creek. Good soil - moderate slopes - heavy cedar overstocked.

Fir 3.5 M per acre 150 acres

Accessible.
Site: Fair to poor.
Volume: Yellow pine 15%; fir 85%.
Remarks: Steep slopes, high percentage of cordwood makes this a poor logging chance. Fir sawtimber of poor quality. The above figures estimated.

Other Areas

Fir-Cedar Selectively Logged 120 acres

Accessible.
Site: Fir 140; larch I.
Density: Fir 60 trees per acre
Larch 3 trees per acre
Cedar 32 trees per acre 5 inches and up.
Aspen 5 trees per acre
Birch 110 trees per acre 90% 6 inches in diameter.

Potential Use: Sawtimber, poles, posts.
Remarks: Excellent growing site, close to public road systems creating good logging conditions in this type. Slopes are moderate, undergrowth medium and rock practically absent. Extent of logging to date: fir 7.0 trees per acre, average diameter 18 inches; larch 1.5 trees per acre, average diameter 16 inches; cedar 10 trees per acre, average diameter 11 inches.

Larch-Fir-Cedar 1898 280 acres

Accessible.
Site: Good.
Density: Fir 280 trees per acre, average diameter 4 inches.
Larch 720 trees per acre, average diameter 4 inches.
Lodgepole pine 70 trees per acre.
Cedar 780 trees per acre, average diameter 1.5 inches.
Potential Use: Sawtimber, ties and poles.

Remarks: Average slopes, soil and underbrush.

Larch-Cedar 1872

90 acres

See compartment 52.

The bulk of the remaining types are fir-yellow pine and pure fir selectively logged areas in the west and northwest and cultivated, open range and cordwood areas in the west and extreme south of the compartment.

Adjacent to the agricultural land is 90 acres of unsatisfactorily stocked logged over land.

Compartment 60

Main Area

Burn 1929, Scattered patches of Spruce-Balsam 6,500 acres

This area, burned over twice in some parts, has failed to restock adequately, averaging 90 spruce and 40 balsam zeros per acre. These seedlings are suffering from severe competition from brush which is well established.

Scattered patches of spruce and balsam are to be found in the creek bottoms.

Mature Areas

Fir 6.4 M per acre

110 acres

Accessible.

Site: Fir 70; larch 1; spruce 60; lodgepole pine 70.

Volume: Fir 15%; larch 9%; spruce 35%; balsam 29%;

lodgepole pine 4%.

Diameters: Fir maximum 30 inches, average 18 inches.

Larch maximum 28 inches, average 24 inches.

Spruce maximum 18 inches, average 16 inches.

Balsam maximum 16 inches, average 14 inches.

Lodgepole pine maximum 18 inches, average 14 inches.

Cedar maximum 14 inches, average 14 inches.

Defects: Fir - crook.

Spruce - bark injury due to porcupine.

Balsam - split and heartrot.

Lodgepole pine - catface.

Fir-Larch 12 M per acre

230 acres

See 60 acre type in compartment 64.
Spruce-Balsam 13 M per acre  860 acres
Accessible.
Site: Good.
Volume: Spruce 49%; balsam 46%; lodgepole pine 5%.

Gentle topography makes this an ideal logging show. Timber should be taken eastwards to Trinity Valley. Requires a fairly long and expensive road.

Other Areas

The remainder of the compartment is largely composed of immature areas with scattered patches of mature stretching across the top of the compartment from the boundary farthest east. Fir and larch predominate at the lower elevations and spruce and balsam at the upper elevations for both mature and immature. The tendency throughout is towards overstocking. In the middle north is a 380 acre area of non-stocking burn 1925.

Compartment 61A

Main Area

Larch-Fir-White Pine 1872
( Larch-Fir 4.9 M per acre)  1,280 acres
Accessible.
Site: Fir 90; larch II; spruce 60.
Density: Fir 50 trees per acre
Larch 140 trees per acre
Spruce 20 trees per acre
Lodgepole pine 10 trees per acre
White pine 30 trees per acre
Cedar 140 trees per acre (largely 4 inches)
Hemlock 20 trees per acre
Cottonwood 10 trees per acre

Volume: Fir 21%; larch 48%; spruce 1%; lodgepole pine 1%; white pine 14%; cedar 2%; hemlock 1%; cottonwood 12%.

Potential Use: Sawlogs, ties and cedar poles.
Remarks: Easy slope. Stand thrifty with few defects.
Some small areas of open limby spruce-larch and scattered areas of dense cedar-fir-hemlock overstocked. Windfall light.
Mature Areas

**Fir-Larch 24 M per acre, Partly Logged**

<table>
<thead>
<tr>
<th>Site:</th>
<th>Fir 90; larch II; spruce 60; lodgepole pine 60.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume:</td>
<td>Fir 71%; larch 20%; white pine 6%; spruce, lodgepole pine, cedar 1%.</td>
</tr>
<tr>
<td>Defects:</td>
<td>None apparent.</td>
</tr>
<tr>
<td>Remarks:</td>
<td>Excellent stand of fir-larch sawlogs and ties with scattered white pine, cedar and spruce. Good site, easy slope, light windfall. A few cedar poles have been removed. Excellent logging conditions.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Accessible.</th>
</tr>
</thead>
<tbody>
<tr>
<td>For White Pine</td>
</tr>
<tr>
<td>130 acres</td>
</tr>
</tbody>
</table>

**Larch-Fir 11 M per acre, Partly-Logged**

<table>
<thead>
<tr>
<th>Site:</th>
<th>Very good.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume:</td>
<td>Fir 27%; larch 36%; spruce 14%; white pine 14%; cedar 9%.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Accessible.</th>
</tr>
</thead>
<tbody>
<tr>
<td>220 acres</td>
</tr>
</tbody>
</table>

**Spruce-Fir 9.5 M per acre**

<table>
<thead>
<tr>
<th>Site:</th>
<th>Good.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume:</td>
<td>Fir 26%; larch 16%; spruce 32%; balsam 5%; white pine 11%; cedar 5%; hemlock 5%.</td>
</tr>
<tr>
<td>Remarks:</td>
<td>Moderate to steep slopes, good soil, little rock, little underbrush combine to make this an area of fair logging conditions only.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Accessible.</th>
</tr>
</thead>
<tbody>
<tr>
<td>450 acres</td>
</tr>
</tbody>
</table>

**Larch-Fir 13 M per acre**

<table>
<thead>
<tr>
<th>Site:</th>
<th>Good.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume:</td>
<td>Fir 31%; larch 38%; spruce 8%; white pine 15%; cedar 8%.</td>
</tr>
<tr>
<td>Remarks:</td>
<td>Moderate slopes, good soil, comparatively little rock make this area a very good logging show. Should be logged in conjunction with the adjacent spruce-balsam type.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Accessible.</th>
</tr>
</thead>
<tbody>
<tr>
<td>730 acres</td>
</tr>
</tbody>
</table>
Spruce-Balsam 15 M per acre
See compartment 60. 860 acres

Other Areas

Mixed Fir-Larch 1881 and Fir-Larch 1903
See compartment 61B. 1,260 acres

Spruce-Fir 1887 (Mixed 5.1 M per acre)
Accessible.
Site: Fir 70; larch III; spruce 40.
Density: Fir 130 trees per acre
Larch 30 trees per acre 0 and 2 inch
Spruce 130 trees per acre diameter classes
Lodgepole pine 10 trees per acre omitted.
White pine 30 trees per acre
Cottonwood 10 trees per acre
Volume: Fir 18%; larch 21%; spruce 19%; balsam 2%;
lodgepole pine 5%; white pine 25%; cottonwood 10%.
Potential Use: Sawlogs, pulp and ties.
Remarks: Stand on valley flat. Stand too open for good
growth. Spruce and larch limby but fir quite clean.
Windfall light. Excellent logging conditions as
far as topography is concerned.

The rest of the compartment with the exception of the
southwest corner is almost entirely immature cover. On
the upper elevations in the west cedar-hemlock and fir-
larch types are prevalent. In the lower elevations of
Trinity Valley and up to the extreme east of the com-
part ment fir-larch-cedar and white pine immature types
are found. Scattered throughout the eastern reach is a
mixed mature and immature spruce type running 17 M per
acre and covering in all 90 acres. This volume should
be taken with reservations. In the southwest at the
headwaters of Miriam Creek are 1,700 acres of a 1929
burn which are not satisfactorily restocking.

Compartment 61B

Main Area

Fir-Larch-Cedar 1834 and Fir-Larch Seed Trees,
(Fir-Larch 6.6 M per acre) 990 acres
Accessible.
Site: Fir 90; larch II; spruce 60.
Density: Fir 70 trees per acre
Larch 50 trees per acre
Spruce 40 trees per acre
Lodgepole pine 40 trees per acre
Cedar 10 trees per acre (plus 60 "4 inches")
Hemlock 10 trees per acre
Birch 10 trees per acre

0, 2 and 4 inch diameter classes omitted.

Volume: Fir 55%; larch 31%; spruce 3%; cedar 10%; cottonwood 1%.

Potential Use: Sawlogs - present use: ties, posts, sawlogs.

Remarks: Easy to moderate slope, good soil and little rock. Thrifty stand of fir-larch with a heavy understory of cedar and scattered partly defective fir-larch-cedar seed trees.

Mature Areas

Larch-Fir 6.7 M per acre, Part-Logged 1926

130 acres

Accessible.

Site: Fir 100; larch 111.

Volume: Fir 21%; larch 72%; white pine 7%.

Diameters: Fir maximum 30 inches, average 18 inches.
Larch maximum 30 inches, average 20 inches.
White pine maximum 24 inches, average 20 inches.

Defects: Fir - fire scars, shake.
Larch - fire scars and heartrot.

Remarks: Area is beetle infested and badly fire damaged. Steep rocky slopes make this a poor logging show.

Larch-Fir 15 M per acre

220 acres

Accessible.

Site: Fir 90; larch 111; spruce 80.

Volume: Fir 32%; larch 51%; spruce 2%; lodgepole pine 1%; white pine 11%; cedar 3%.

Diameters: Fir maximum 34 inches, average 20 inches.
Larch maximum 32 inches, average 20 inches.
Spruce maximum 16 inches, average 14 inches.
White pine maximum 22 inches, average 16 inches.
Cedar maximum 14 inches, average 12 inches.

Defects: Fir - shake and buttrot.
Larch - buttrot, heartrot, fire scar.
White pine - catface, buttrot, fire scar.

Remarks: Moderate to steep slopes. Logging conditions better than previous type. Heavy understory of cedar and spruce.
Hemlock-Cedar 9.7 M per acre 240 acres
Accessible.
Site: Fir 100; spruce 80; other species good.
Volume: Hemlock 45%; cedar 28%.
Remarks: This type in the bottom of Putnam Creek presents poor logging chances. Ground rugged, rocky and covered with dense brush. Upper part of area in all probability will have a much higher percentage of spruce and balsam.

Larch-Fir 15 M per acre, Part-Burned 250 acres
Accessible.
Site: Good.
Volumes: Fir 42%; larch 44%; spruce 7%; white pine 7%.
Remarks: Fair to good logging conditions. Bulk of type is on steep slope. Volumes estimated.

Fir-Cedar-Larch 9.5 M per acre 260 acres
Accessible.
Site: Good.
Volume: Fir 34%; larch 22%; spruce 13%; cedar 26%; other species 5%.
Remarks: Good logging conditions. Flat topography; rich soil, dense undergrowth and low grade timber are predominant characteristics. Volumes estimated from timber sales.

Other Areas

Cedar-Hemlock 1897 1,020 acres
Accessible.
Site: Good.
Density: Larch 220 trees per acre. Spruce 10 trees per acre. Lodgepole pine 20 trees per acre. Hemlock and cedar 2,300 trees per acre. (Alder 1,800 trees per acre).

Mixed Fir-Larch 1881 and Fir-Larch 1905 480 acres
Accessible.
Site: Good.
Density: Fir 190 trees per acre) Average diameter 7 inches.
Larch 190 trees per acre) Average diameter 7 inches.
Spruce 10 trees per acre, average diameter 2 inches.
White pine 40 trees per acre, average diameter 7 inches.
Cedar 940 trees per acre) Average diameter 2 inches.
Hemlock 400 trees per acre) Average diameter 2 inches.

Potential Use: Fir and larch ties, cedar poles.
Remarks: Moderately sloping country. Stand thrifty well stocked with patches of cedar hemlock overstocked as understory.

Fir-Larch 1885
Accessible: 1,270 acres
Site: Good.
Density: Fir 270 trees per acre)
Larch 200 trees per acre)
Spruce 40 trees per acre)
Balsam 10 trees per acre)
White pine 30 trees per acre)
Cedar 50 trees per acre)
0 and 2 inch diameters omitted.

Potential Use: Fir and larch ties.

The remaining area of the compartment in the east two thirds is largely covered with immature stands of fir, larch, cedar and spruce of varying ages. All types are well stocked with heavy overstocked understories. Types adjacent to the main road are logged to a small degree. Two miles up Putnam Creek is 410 acres of a 1922 and a 1934 burn which has not yet restocked. Up in the headwaters of Putnam Creek are 2,510 acres of a 1929 burn - a continuation of the type in Compartment 60 and in Compartment 61A. Scattered throughout the compartment are several small mature areas - notably a 40 acre patch of fir-larch-white pine 18 ft per acre. (Fir 35%; larch 35% and white pine 20%).
Compartment 62

Main Area

Fir Selectively Logged 1,040 acres
Accessible.
Site: Yellow pine medium; fir 80; other species good.
Density: Yellow pine 60 per acre, largely 2 inches to 6 inches.
  Fir 1,380 per acre, largely 0 inches to 6 inches.
  Larch 40 per acre.
  Lodgepole pine 10 per acre.
  Cedar 70 per acre.
Potential Use: Sawlogs and some cordwood.
Remarks: A continuation of the main area of Compartment 63. Present extent of logging: yellow pine 1,3 trees cut per acre; fir 4.3 trees cut per acre, average diameter 22 inches; larch 0.2 trees cut per acre; and cedar 0.1 trees cut per acre.

Mature Areas

Larch 6.2 M per acre 90 acres
Accessible.
Site: Fir 80; larch II; lodgepole pine 80.
Volume: Fir 5%; larch 93%; lodgepole pine 2%.
Diameters: Fir maximum 30 inches, average 22 inches.
  Larch maximum 34 inches, average 22 inches.
  Lodgepole pine maximum 14 inches, average 12 inches.
  Birch maximum 12 inches, average 12 inches.
Defects: Larch - bad fire scars and buttrot.
Remarks: Practically flat topography on the hilltop makes this area an excellent logging show. Lack of rock, lack of underbrush, deep rich soil, rather poor drainage are all characteristics of this type.

Larch-Fir 12 M per acre 160 acres
Accessible.
Site: Fir 80; larch II; spruce 80.
Volume: Fir 24%; larch 69%; spruce 3%; cedar 4%.
Diameters: Fir maximum 32 inches, average 20 inches. Larch maximum 34 inches, average 22 inches. Spruce maximum 16 inches, average 14 inches. Cedar maximum 18 inches, average 14 inches.

Defects: Fir - crook, limbyness, ringshake. Larch - fire scars and dead top.

Remarks: Topography varies from flat to moderate slopes, undergrowth dense, soil good, drainage good. This area would be logged in conjunction with the adjacent larch type 8.2 M per acre. Other species present - balsam and lodgepole pine.

Fir-Larch-Cedar 5.0 M per acre, Part-Logged

350 acres

Accessible.
Site: Fir 80; larch II; spruce 80.
Volume: Fir 29%; larch 28%; spruce 8%; cedar 34%; birch 1%.


Remarks: Alternate benches and steep slopes make this area difficult to log as a unit. Underbrush on the slopes and in the creek bottom heavy, on the upper benches absent. Soil rich, heavy with a clay subsoil. Present extent of logging: fir 4.3 trees per acre, average diameter 20 inches; larch 2.1 trees per acre, average diameter 20 inches; cedar 11 trees per acre, average diameter 16 inches.

Fir-Larch-Cedar 5.2 M per acre, Part-Logged

150 acres

Accessible.
Site: Fir 80; larch II; spruce 80.
Volume: Fir 36%; larch 36%; spruce 7%; cedar 19%.

Diameters: Fir maximum 24 inches, average 18 inches. Larch maximum 28 inches, average 20 inches. Spruce maximum 18 inches, average 14 inches. Cedar maximum 20 inches, average 16 inches.
Defects: Fir - heartrot.
Larch - trunk rot, pocket rot, dead top.

Remarks: Topography moderately steep, soil good, fair logging chance. Undergrowth very dense.
Present extent of logging: fir 1.5 trees per acre, average diameter 18 inches; larch 3.0 trees per acre, average diameter 18 inches; cedar 5.5 trees per acre, average diameter 16 inches.

<table>
<thead>
<tr>
<th>Cedar-Larch 7.7 M per acre, Part-Logged</th>
<th>210 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessible:</td>
<td></td>
</tr>
<tr>
<td>Site: Fir 70; larch II; cedar good.</td>
<td></td>
</tr>
<tr>
<td>Volume: Fir 15%; larch 35%; cedar 50%.</td>
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</tr>
<tr>
<td>Diameters: Fir maximum 18 inches, average 16 inches.</td>
<td></td>
</tr>
<tr>
<td>Larch maximum 24 inches, average 24 inches.</td>
<td></td>
</tr>
<tr>
<td>Cedar maximum 24 inches, average 20 inches.</td>
<td></td>
</tr>
<tr>
<td>Defects: Practically none - poor cedar left by loggers.</td>
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</tr>
<tr>
<td>Remarks: Flat to gentle slopes and dense cedar overstocked together make fair logging conditions only. Drainage is fair but much moisture is held by dense cover and loamy surface soil. Present extent of logging: cedar 4.0 trees per acre, average diameter 22 inches. Cedar in the south fork of B.X. Creek is exceptionally large and sound.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cedar-Larch 11 M per acre, Part-Logged</th>
<th>70 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessible:</td>
<td></td>
</tr>
<tr>
<td>Site: Fir 100; larch I; spruce 100.</td>
<td></td>
</tr>
<tr>
<td>Volume: Fir 7%; larch 29%; spruce 14%; cedar 34%; cottonwood 14%; birch 8%.</td>
<td></td>
</tr>
<tr>
<td>Diameters: Fir maximum 18 inches, average 14 inches.</td>
<td></td>
</tr>
<tr>
<td>Larch maximum 24 inches, average 26 inches.</td>
<td></td>
</tr>
<tr>
<td>Spruce maximum 16 inches, average 14 inches.</td>
<td></td>
</tr>
<tr>
<td>Cedar maximum 24 inches, average 20 inches.</td>
<td></td>
</tr>
<tr>
<td>Cottonwood maximum 40 inches, average 26 inches.</td>
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<tr>
<td>Remarks: This stand on a small bench land with a gentle slope provides an excellent logging show. The timber is of high volume and excellent growth. Present extent of logging: larch 3.2 trees per acre, average diameter 26 inches; spruce 0.8 trees per acre, average diameter 20 inches; cedar 4.0 trees per acre, average diameter 16 inches.</td>
<td></td>
</tr>
</tbody>
</table>
Larch-Fir 8,0 M per acre 200 acres
Accessible.
Site: Cedar fair; other species good.
Volume: Fir 25%; larch 50%; spruce 7%; lodgepole pine 6%; cedar 12%.
Remarks: Stand on moderate slopes and top of moderate hills - soil good, little rock. Above figures estimated.

Other Areas

Fir-Larch Selectively Logged 310 acres
Accessible.
Site: Fir 80; larch II.
Density: Fir 640 trees per acre, largely 0 inches to 6 inches.
Larch 20 trees per acre, largely 2 inches to 6 inches.
Lodgepole pine 50 trees per acre, largely 4 inches to 6 inches.

Potential Use: Sawlogs.
Remarks: Good site, gentle slopes, fine sandy soil, probably good agricultural land.

Larch-Fir Selectively Logged 560 acres
Accessible.
Site: Fair.
Density: Yellow pine 10 trees per acre.
Fir 360 trees per acre, largely 0 inches to 6 inches.
Larch 130 trees per acre, largely 2 inches and 4 inches.
Spruce 160 trees per acre, largely 0 inches to 4 inches.
Lodgepole pine 30 trees per acre.
Cedar 2,640 trees per acre, 98% 0 inches and 2 inches.

Potential Use: Sawlogs.
Remarks: Good soil, few rock outcrops, gentle slopes - fair agricultural land.

Larch-Lodgepole Pine-Fir, Selectively Logged 170 acres
Accessible.
Site: Good.
Density: Well stocked - cedar overstock in 0 inches and 2 inches.

Potential Use: Sawtimber, posts, fuel.
Remarks: See above type.
Cedar-Spruce Selectively Logged

Accessible.
Site: Very good.
Density: Overstocked immature cedar and spruce. Larger trees of some species scattered throughout.
Potential Use: Sawlogs, cedar poles, shingles.
Remarks: Cedar here grows to very large size, quite sound and should be conserved for use as lumber and shingles rather than poles.

Larch-Cedar 1672

Accessible.
Site: Good.
Density: Overstock cedar in small diameters - fair stocking of larger larch and cedar. Few scattered larch seed trees. Smaller larch very defective. Area will be without value for many decades.

The rest of the compartment consists of immature lodgepole pine types, unstocked lodgepole pine, spruce, aspen, brush types to the east and finally burn and alpine burn on the upper reaches of Aberdeen Mountain.

Compartment 63

Main Area

Fir Selectively Logged

Accessible.
Site: Yellow pine medium; fir 80; other species good.
Density: Yellow pine 10 per acre, mostly twos. Fir 270 per acre, mostly zeros, twos and fours. Fir cordwood 10 per acre, 6 inches to 26 inches diameter.
Cedar 40 per acre, mostly zeros.
Birch 10 per acre.
Larch, lodgepole pine, cottonwood and aspen less than 10 per acre.
Potential Use: Sawlogs and cordwood.
Remarks: Good soil, comparatively little rock, good growth indicate a fine growing site for timber purposes. Fair slopes, even terrain indicate good logging conditions. Present extent of logging: yellow pine 1.8 trees, average diameter 20 inches, cut per acre; fir 8.4 trees, average diameter 18 inches; larch 0.65 trees; lodgepole pine 0.7 trees; cedar 1.0 trees; and birch 0.4 trees.
Mature Areas

Fir 5.1 M per acre
See compartment 64. 290 acres

Fir 6.5 M per acre, Part-Logged
Accessible. 350 acres
Site: Fir 120; larch III.
Volume: Fir 95%; larch 2%; lodgepole pine 1%; cedar 2%.
Diameters: Fir maximum 36 inches, average 22 inches.
Larch maximum 16 inches, average 16 inches.
Lodgepole pine maximum 14 inches, average 14 inches.
Cedar maximum 14 inches, average 12 inches.
Defects: Fir - ringshake and limbiness.
Larch - trunk rot.
Remarks: Good logging conditions - fair soil, average slopes. Some fir cordwood. Excellent growing site. Trees cut: fir 7.0 per acre, average diameter 20 inches; larch 5.0 per acre, average diameter 14 inches; spruce 0.5 per acre; cedar 3.0 per acre, average diameter 14 inches; birch 1.0 per acre.

Fir-Larch 4.4 M per acre, Part-Logged 220 acres
Accessible.
Site: Yellow pine medium; fir 80; larch II.
Volume: Yellow pine 10%; fir 49%; larch 28%; spruce 2%;
lodgepole pine 5%; cedar 6%.
Diameters: Yellow pine maximum 32 inches, average 32 inches.
Fir maximum 40 inches, average 20 inches.
Larch maximum 28 inches, average 20 inches.
Defects: Fir - ringshake and fire scars.
Larch - fire scars.
Remarks: Good logging conditions - logging roads already built in area. Soil good - not much rock. Trees cut: fir 0.64 per acre, average diameter 20 inches and cedar 1.3 per acre, average diameter 6 inches.

Yellow Pine 1.5 M per acre, Part-Logged 120 acres
Accessible.
Site: Yellow pine short; fir 70.
Volume: Yellow pine 98%; fir 7%.
Diameters: Yellow pine maximum 30 inches, average 20 inches.
Fir maximum 16 inches, average 14 inches.
Defects: Yellow pine - limbyness.
Remarks: Excellent logging chance. Terrain somewhat rocky and broken up. Adjacent to roads. Yellow pine trees cut per acre = 1.0.

Other Areas

Lodgepole Pine-Larch 1854 (Larch-Lodgepole Pine 3.8 M per acre) 370 acres

Accessible.
Site: Fir 70; larch II; lodgepole pine 70; other species fair.
Density: Fir 30 trees per acre.
Larch 60 trees per acre.
Spruce 1 tree per acre.
Balsam 280 trees per acre, mostly twos, fours and sixes.
Lodgepole pine 250 trees per acre, mostly twos, fours, sixes and eights.
Cedar 60 trees per acre.
Aspen 1 tree per acre.

Volumes: Fir 2%; larch 57%; spruce 4%; lodgepole pine 25%; cedar 8%; aspen 4%.
Potential Use: Ties, posts and sawlogs.
Remarks: Although the area is broken up by long rocky escarpments logging should be comparatively easy as no steep slopes would be encountered. Area quite rocky.

Yellow Pine (Fir Cordwood) Selectively Logged 210 acres

Accessible.
Site: Yellow pine short; fir 60.
Density: Yellow pine 70 trees per acre, mostly 8 inches to 14 inches.
Fir 20 trees per acre.

Potential Use: Sawlogs and cordwood.
Remarks: Good logging conditions, although site is quite rocky. Growth rate is rather poor and results in limby trees. Trees cut in recent logging: yellow pine 4.5 per acre, average diameter 18 inches; fir 1.0 trees per acre, average diameter 10 inches.

Rest of compartment made up of lodgepole pine-fir immature areas with a few scattered small mature types - all in the back of compartment, and small fir and yellow pine immature types near valley bottom.
Compartment 64

Main Area

**Larch-Fir 2.5 M per acre**

*Accessible.*

*Site:* Fir 70; larch III.

*Volume:* Fir 41%; larch 55%; cedar 4%.

*Diameters:* Fir maximum 28 inches, average 20 inches.

Larch maximum 23 inches, average 20 inches.

Cedar maximum 12 inches, average 12 inches.

*Defects:* Fir - ring shake, pitch, limbyness.

Larch - trunk rot.

Cedar - heartrot.

*Remarks:* Logging conditions vary from good on the lower slopes to very poor on the upper. Slopes are very rocky and steep. Some areas in this type are practically inaccessible. Other species present - spruce, balsam, lodgepole pine and birch.

Mature Areas

**Yellow Pine 13 M per acre**

*Accessible.*

*Site:* Yellow pine tall; larch II.

*Volume:* Yellow pine 99%; larch 1%.

*Diameters:* Yellow pine maximum 30 inches, average 24 inches.

Larch maximum 14 inches, average 12 inches.

*Defects:* Yellow pine - limbyness and heartrot.

*Remarks:* Logging conditions good - slope steep - soil, rock and sand. This area is fairly easy to reach from existing logging roads. The upper reaches of this type may be difficult to log. Some fir reproduction present.

**Fir-Larch 12 M per acre**

*Adjacent to and back of the above type - estimated volumes yellow pine 13%, fir 52%, larch 35%. Accessible but difficult to reach.*

**Yellow Pine-Fir 3.3 M per acre, Part-Logged**

*Accessible.*

*Site:* Yellow pine tall; fir 60.

*Volume:* Yellow pine 68%; fir 32%.

*Diameters:* Yellow pine maximum 38 inches, average 22 inches.

Fir maximum 24 inches, average 16 inches.
Defects: Yellow pine - crook, buttrot.
Fir - crook, shake, buttrot.

Remarks: Good logging chance - slopes medium - soil rocky. Fir reproduction fairly heavy - no underbrush - fir cordwood plentiful. Yellow pine trees cut 1.7 per acre, average diameter 22 inches - fir 7.0 per acre, average diameter 10 inches.

Fir 5.0 M per acre, Part-Logged

Accessible.
Site: Yellow pine medium; fir 70%.
Volume: Yellow pine 13%; fir 86%; lodgepole pine 1%.
Diameters: Yellow pine maximum 22 inches, average 18 inches.
Fir maximum 38 inches, average 16 inches.
Lodgepole pine maximum 12 inches, average 12 inches.

Defects: Yellow pine - crook and fire damage.
Fir - crook, shake and fire damage.

Remarks: Good logging chance - slopes medium - soil rocky. Scattered fir cordwood. Yellow pine trees cut 2.0 per acre, average diameter 22 inches; fir 2.8 per acre, average diameter 24 inches; cedar 0.5 per acre, average diameter 12 inches.

Fir 5.1 M per acre

Accessible.
Site: Fir 70; larch III.
Volume: Fir 95%; larch 5%; balsam 1%; lodgepole pine 1%; cedar 1%.
Diameters: Fir maximum 44 inches, average 20 inches.
Larch maximum 22 inches, average 16 inches.
Balsam maximum 14 inches, average 12 inches.
Lodgepole pine maximum 12 inches, average 12 inches.
Cedar maximum 12 inches, average 12 inches.

Defects: Fir - shake, crook and fire scar.
Remarks: Fair logging conditions - soil rocky - terrain largely of alternate rock bluffs and timbered benches. Some scattered logging.

Yellow Pine (Fir Cordwood) 4.4 M per acre

Accessible.
Site: Yellow pine tall; fir 60; larch II.
Volume: Yellow pine 88%; fir 7%; larch 9%; lodgepole pine 2%.
Diameters: Yellow pine maximum 28 inches, average 18 inches. Fir maximum 18 inches, average 14 inches. Larch maximum 18 inches, average 16 inches. Lodgepole pine maximum 12 inches, average 12 inches.


Cedar-Fir-Cottonwood 15 M per acre 20 acres
Creek bottom site of difficult access. Estimated volumes: fir 32%; cedar 47%; cottonwood 20%. This area lies below the above yellow pine (fir cordwood) type in Huntley Creek.

Spruce-Fir 26 M per acre 150 acres
This type is probably lower in volume than the tally shows. Although the area is accessible it is difficult to reach and constitutes a poor logging chance.

Balsam-Spruce 7.4 M per acre 250 acres
Accessible.
Site: Spruce 80; other species good.
Volume: Spruce 32%; balsam 67%; cedar 1%.
Remarks: Good logging conditions - area easily accessible by Silver Star Mountain road. Good soil - little rock. Suitable for sawlogs and pulp.

Cedar-Balsam-Spruce 23 M per acre 130 acres
Accessible.
Site: Spruce 120; other species excellent.
Volume: Spruce 20%; balsam 37%; cedar 43%.
Defects: Spruce - spiral grain and dead top.  
Balsam - double leaders and heartrot.  
Cedar - spiral grain, spike top and catface.  

Remarks: Good logging condition - area easily accessible by Silver Star Mountain Road. Good soil - easy slopes. Suitable for sawlogs, pulp and shingle bolts.

Balsam-Spruce-Cedar 8.7 M per acre  
230 acres

Accessible.
Site: Spruce 80; other species good.  
Volume: Spruce 41%; balsam 41%; cedar 18%.  
Diameters: Spruce maximum 28 inches, average 20 inches.  
Balsam maximum 28 inches, average 16 inches.  
Cedar maximum 32 inches, average 20 inches.  
Defects: Spruce - top rot and spiral grain.  
Balsam - trunk rot and catface.  
Cedar - buttrot.

Other Areas

Yellow Pine-Fir Selectively Logged  
400 acres

Accessible.
Site: Yellow pine medium; fir 60.  
Density: Yellow pine 850 trees per acre, mostly zeros, and twos.  
Fir 490 trees per acre, mostly zeros, twos and fours.  
Lodgepole pine 100 trees per acre.

Potential Use: Sawlogs and cordwood
Remarks: Excellent logging conditions - good soil - easy slopes. Good growth can be expected.

Fir Selectively Logged  
450 acres

Accessible.
Site: Yellow pine tall; fir 70.  
Density: Yellow pine 2 trees per acre.  
Fir 200 trees per acre, largely sixes, eights and tens.

In the back of the compartment there are over 1,000 acres of immature types, average age 55 years, composed largely of lodgepole pine, fir and balsam. Also 320 acres of unstocked 1929 burn.
Compartment 65

Main Area

1,440 acres

Open range with approximately 10% of its area brush and stunted aspen.

Mature Areas

Fir 1.8 M per acre

Accessible.

Site: Fir 90.

Volume: Fir 100%.

Diameters: Fir maximum 25 inches, average 18 inches.

Defects: Fir - crook, limbiness, buttrot, conk.

Remarks: Excellent logging conditions - ground even, soil good. Recommended as farmers' woodlot.

Yellow Pine 2.4 M per acre, Semi-Open Range 140 acres

Accessible.

Site: Yellow pine medium; fir 60.

Volume: Yellow pine 84%; fir 16%.

Diameters: Yellow pine maximum 30 inches, average 16 inches.

Defects: Yellow pine - crook, buttrot, ring shake.

Remarks: Excellent logging conditions - ground even, soil good. Recommended as farmers' woodlot.

Aspen-Cottonwood-Cedar 3.2 M per acre

Accessible.

Site: Fir 60; spruce 30; other species good.

Volume: Fir 2%; spruce 11%; cedar 18%; cottonwood 27%; aspen 42%.

Diameters: Fir maximum 14 inches, average 14 inches.

Defects: Fir - limbiness.

Remarks: Good logging conditions. Ground is quite flat and swampy, suitable for horse logging, but not for tractor logging. Recommended as farmers' woodlot.
Cedar-Birch 15 M per acre

<table>
<thead>
<tr>
<th>Accessible.</th>
<th>30 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site: Fir 90; other species good.</td>
<td></td>
</tr>
<tr>
<td>Volume: Fir 6%; cedar 47%; cottonwood 18%; aspen 7%; birch 22%.</td>
<td></td>
</tr>
<tr>
<td>Defects: Cedar - spiral grain, catface. Cottonwood - catface.</td>
<td></td>
</tr>
<tr>
<td>Remarks: Excellent logging conditions in flat agricultural land beside road. Recommended as farmers' woodlot for immediate heavy cutting.</td>
<td></td>
</tr>
</tbody>
</table>

Fir (Fir Cordwood) 2.0 M per acre, Part-Logged and burned

<table>
<thead>
<tr>
<th>Accessible.</th>
<th>560 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site: Fair.</td>
<td></td>
</tr>
<tr>
<td>Volume: Yellow pine approximately 15%; fir approximately 85%.</td>
<td></td>
</tr>
<tr>
<td>Remarks: Fair logging conditions. Area rocky, irregular and steep in places. Has been logged and burned at various times. Fair volume of fir cordwood. Volumes estimated.</td>
<td></td>
</tr>
</tbody>
</table>

Other Areas

Bulk of remaining forest land consists of well stocked fir and yellow pine immature stands of various ages. Good sites. 50% of entire compartment cultivated.

Compartment 66

Main Area

<table>
<thead>
<tr>
<th>Burn 1938</th>
<th>2,480 acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part of the area burned by the Irish Creek fire in 1938. The former stand was fir 1938 which was large enough for ties. The area has not restocked despite patches of seed trees left.</td>
<td></td>
</tr>
</tbody>
</table>
Mature Areas

**Fir 10 M per acre**

- **Accessible.**
- **Site:** Fir 90; spruce 80; lodgepole pine 70.
- **Volume:** Fir 75%; spruce 18%; lodgepole pine 7%; balsam 6%.
- **Diameters:** Fir maximum 28 inches, average 18 inches. Spruce maximum 20 inches, average 16 inches.
- **Defects:** Fir – slight crook, tussock moth damage and buttrot. Spruce – slight crook, limbyness and buttrot.
- **Remarks:** Area missed by the fire in 1931. Good stand of young fir which contains both sawlog and tie material, requires about 1 mile of new road beyond the present logging road.

**Spruce-Fir 10 M per acre**

- **Accessible.**
- **Site:** Fir 60; spruce 60.
- **Volume:** Fir 55%; spruce 35%; cedar 12%.
- **Diameters:** Fir maximum 26 inches, average 18 inches. Spruce maximum 26 inches, average 18 inches. Cedar maximum 16 inches, average 14 inches.
- **Defects:** Fir – limbyness and shake. Spruce – buttrot. Cedar – buttrot and pocket rot.
- **Remarks:** A small patch of timber isolated by 1919 and 1934 burns. There is a 90 acre fir-spruce type adjacent to which has been partly burned. The two areas would make a logging chance.

There are several small areas of mature timber partly burned but which still have a loggable volume left which are scattered through the compartment.

Other Areas

**Logged and Burned**

- **Area has been burned in 1919 and 1931 and logged in 1919 and 1935 to 1939. There are only 145 seedlings per acre. 16 fir trees have been logged from the area.**

**Lodgepole Pine 1933**

- **A well stocked stand of lodgepole pine 1933. The stand before the 1931 fire was mature spruce-fir-lodgepole pine. 7 M per acre.**
Logged and Burned  

Area on the west side of Equies Creek logged from 1928 to 1930 for ties and cordwood, and burned in 1938. This area is not restocking at all.

Compartment 67

Main Area

Burn 1930 and 1938 2,600 acres

Large area burned in 1930 and reburned in 1938. In spite of patches of seed trees the reproduction is very scant. In this type there are also several patches of mature fir which were only slightly damaged by fire. The area has a good chance of restocking. The former stand was mature fir and mature fir-spruce.

Mature Areas

Fir 6.7 M per acre, Part-Burned 1938 350 acres

Accessible.

Site: Fir 70.

Volume: Fir 93%; cedar 7%.

Diameters: Fir maximum 36 inches, average 20 inches.
            Cedar maximum 20 inches, average 15 inches.

Defects: Fire damage, rot and shake.

Remarks: This type includes many patches of timber in the burn. It is accessible by way of Newport Creek.

Yellow Pine (fir cordwood) 4.1 M per acre 360 acres

Accessible.

Site: Yellow pine medium; fir 60.

Volume: Yellow pine 97%; fir 3%.

Diameters: Yellow pine maximum 34 inches, average 22 inches.
            Fir maximum 34 inches, average 16 inches.

Defects: Yellow pine - fire scar and buttrot.
        Fir - fire scar, buttrot and shake.

Remarks: This type is on the north bank of Newport Creek about 1 mile from the highway. There is considerable cordwood and cull fir.
Yellow Pine 4.0 M per acre, (Part-burn 1939) 200 acres
Accessible.
Site: Yellow pine medium.
Volume: Yellow pine 99%; fir 1%.
Diameters: Yellow pine maximum 30 inches, average 20 inches.
Defects: Yellow pine - fire scar, buttrot and top rot.
Remarks: Type is situated on a very steep hillside but is adjacent to the main highway.

Fir 2.2 M per acre, (Part-burned 1936) 490 acres
This type has been damaged by the fire in 1936 but still has considerable merchantable volume mostly in small trees below 22 inches. Area is close to the main road.

Other Areas

Yellow Pine Selectively Logged.

20% Open Range 750 acres
Site: Yellow pine medium.
Density: Yellow pine 115 trees per acre, with diameters well distributed. 10 fir per acre.
Potential Use: Sawlogs and box shock.
Remarks: This stand has a considerable amount of even-aged trees. Very old logging.

Compartment 68A

Main Area

Fir 1.1 M (Fir 1.1 M) 600 acres
Accessible.
Site: 90.
Density: Fir 170 trees per acre ranging up to 20 inches.
Potential Use: Sawlogs and ties.
Remarks: Area is adjacent to the Equesis Road. A few scattered yellow pine along the road have been taken out.

Mature Areas

Fir 2.5 M per acre 400 acres
Accessible.
Site: Yellow pine medium; fir 80; larch 10.
Volume: Yellow pine 10%; fir 80%; larch 10%.
Diameters: Fir maximum 28 inches, average 20 inches.
Defects: Fir - catface, fire scar, buttrot and shake.
Remarks: Poor fir but type is very accessible being adjacent to Equesis Creek road.
Other Areas

Yellow Pine Selectively Logged

Site: Medium.
Density: 410 trees per acre.
Potential Use: Sawlogs and box shock.
Remarks: This area along the main road is mostly an even-aged stand about 50 years old. Very well stocked with diameters up to 16 inches.

Fir-Yellow Pine Selectively Logged

Site: Fir 60; yellow pine medium.
Density: Yellow pine 255 trees per acre.
Fir 740 trees per acre.
Potential Use: Sawlogs and fir cordwood.
Remarks: Area very accessible - close to the main road. Mostly easy logging ground. Area has been logged twice - 1 yellow pine and 4 fir trees per acre have been taken.

Fir-Cedar 1978 (Cedar-Fir-Spruce 3.9 M per acre)

Accessible.
Site: Fir 100.
Density: Fir 330 trees per acre, with some diameters ranging to 20 inches.
Spruce 65 trees.
Lodgepole pine 110 trees.
Cedar 440 trees exclusive of zeros.
Potential Use: Sawlogs, ties and cedar poles.
Remarks: This type is on a good site. It has 3.9 M per acre over 1.1 inches d.b.h. Poles have been removed from one patch. There is evidence of Tussock moth infestation.

Fir 1978 (Fir 4.1 M per acre)

Accessible.
Site: 80.
Density: 175 trees per acre.
Potential Use: Ties and sawlogs.
Remarks: Type is adjacent to the Equesis Creek road. Good tie stand.

The remaining areas in the compartment consist of immature of various age classes and small patches of mature timber. There is a large area of open range mostly north of Equesis Creek.
Compartment 66B

Main Area

Lodgepole Pine 1878
1,460 acres
This type is situated on the west side of Equesis Creek. It is a well stocked stand 90% lodgepole pine and 10% fir with considerable cedar zeros in the understory.

Mature Areas

Fir 4.2 M per acre 150 acres
Small patch of mature fir approximately 1 1/2 miles from the Equesis Creek road. A fair logging chance. Fir of fair quality with trees running up to 30 inches.

Spruce-Lodgepole Pine-Balsam 10 M per acre 150 acres
This is a small patch of mature spruce with diameters up to 26 inches. There is also a small patch of fir 18 M per acre which is adjacent to this type. Both types are located along a tributary of Equesis Creek about 2 miles from the Equesis Creek road.

Fir 4.1 M per acre 150 acres
This is a fair type adjacent to the Equesis Creek road. Fair logging chance.

Fir 8.5 M per acre, Part-burned 1930 290 acres
Accessible.
Site: Fir 70; larch II.
Volume: Fir 96%; larch 4%.
Diameters: Fir maximum 32 inches, average 20 inches.
Defects: Fire damage, shake and buttrot.
Remarks: This type is a fair logging chance with easy slopes. The timber has been damaged by a 1930 burn. About one mile of road is required to the Equesis Creek road.

Fir 1878 (Fir-Cedar 3.6 M per acre) 300 acres
Accessible.
Site: Fir 80.

Burn 1930 and 1936
See main type compartment 67.

950 acres
Density: Fir 225 trees per acre.
Lodgepole pine 40 trees per acre.
Cedar 70 trees per acre.
Birch 60 trees per acre.

Potential Use: Ties, sawlogs, and poles.

Remarks: This stand has 3.6 M per acre of merchantable fir and cedar which could be removed as thinnings. Area is adjacent to the Equesis Creek road about 7 miles from the lake road.

The remaining area consists mostly of immature lodgepole pine or fir 1932 which has restocked since the 1930 and 1931. There are also several patches of mature fir which were damaged by the fire but have still considerable merchantable value.

Compartment 66C

Main Area

Burn 1930 and 1931 3260 acres
Mostly no reproduction but there are small areas which are stocked. There are scattered patches of seed trees. Average for the type - fir 300 trees per acre and lodgepole pine 110. Area will gradually become fully stocked.

Mature Areas

Fir 4.9 M per acre 390 acres
Accessible.

Site: Fir 60; spruce 80.

Volume: Fir 79%; spruce 11%; balsam 4%; lodgepole pine 6%.

Diameters: Fir maximum 30 inches, average 18 inches.
Spruce maximum 16 inches, average 12 inches.

Defects: Fir - shake, limbyness and poor top.
Spruce - buttrot.

Remarks: Type is located on very steep slopes. A poor logging show. Some good ties in stand.

Fir 6.6 M per acre, Part-burned 1931 320 acres
Accessible.

Site: Fir 60; spruce 80.

Volumes: Fir 73%; spruce 7%; balsam 2%; lodgepole pine 14%; aspen 2%; larch 2%;
Diameters: Fir maximum 22 inches, average 16 inches.
Defects: Fire damage, crook and catface.
Remarks: Good ties. A patch of timber isolated by the 1931 burn. Requires approximately two miles of road from the end of the Equesis Creek road. There is also a small patch of spruce-balsam 5.2 M per acre adjacent to this type.

Fir-Spruce 6.0 M per acre 220 acres
Fir-Spruce 5.0 M per acre, Part-burn 1919 180 acres
Spruce-Lodgepole Pine 5.0 M per acre 370 acres

These types are south and east of Pinaus Lake on a steep slope in quite broken country. They have survived the many fires in the area. A very poor logging chance.

Fir-Larch 4.0 M per acre 240 acres
See compartment 69.

Other Areas

The remaining productive area consists mostly of lodgepole pine types of various age classes. South of Pinaus Lake are large types of lodgepole pine 1878 and of lodgepole pine 1923, also 870 acres of lodgepole pine-fir 1878. North of Equesis Creek just east of the lake are 940 acres of brush with scattered seed trees. This area has not restocked satisfactorily. On the eastern boundary of the compartment there is 870 acres of lodgepole pine 1932 which has restocked since the 1931 burn.

Compartment 68D

Main Area

Lodgepole Pine 1878 4,290 acres
This type is very irregular varying in density of stocking from 870 trees per acre to 150 trees. The central part of the type is on a plateau on which are numerous swamps.
Mature Areas

Fir 5.2 M per acre 240 acres
Accessible.
Site: 80.
Volume: Fir 96%; cedar 4%.
Diameters: Fir maximum 28 inches, average 16 inches.
Defects: Fir - fire scar and wind shake.
Remarks: The type extends along the south side of the west fork of Equesis Creek. Poles have been logged from the creek bottom. There is a dense understory of cedar.

Lodgepole Pine 9.7 M per acre 1,170 acres
Inaccessible.
Site: 70.
Volume: Balsam 1%; lodgepole pine 96%; aspen 3%.
Diameters: Lodgepole pine - maximum 20 inches, average 14 inches.
Defects: Limbyness and catface.
Remarks: There is heavy brush throughout most of this type. This timber is in an isolated position. The outlet along the west fork of Equesis Creek is too rocky with steep sidehills. There is a possible outlet south over the divide connecting with the road which will be built to log the timber at the head of Siwash Creek.

Other Areas

Cedar-Fir-Spruce 1905 1,090 acres
This type is mixed with willow and alder and has considerable fir seed trees. It is on the south side of the west fork of Equesis Creek. Between this type and the lodgepole pine type is a non commercial type composed of brush and scattered lodgepole pine 1897 which is very limby.

On the plateau around the divide there are several immature types - 380 acres of balsam-spruce 1897, 790 acres of lodgepole pine 1897 and 800 acres of lodgepole pine 1897 with lodgepole pine 1878 seed trees.
**Compartment 69**

This compartment is situated along the north boundary of the Okanagan Forest and is not in the Okanagan drainage but in the Salmon River drainage. The main type is fir-larch 5.0 M per acre which will be logged to Sweet bridge. One mile of road building is required. There is also a fir-larch type which has been partly burned in 1951. The remaining areas are mostly burned in 1951 and not restocking.