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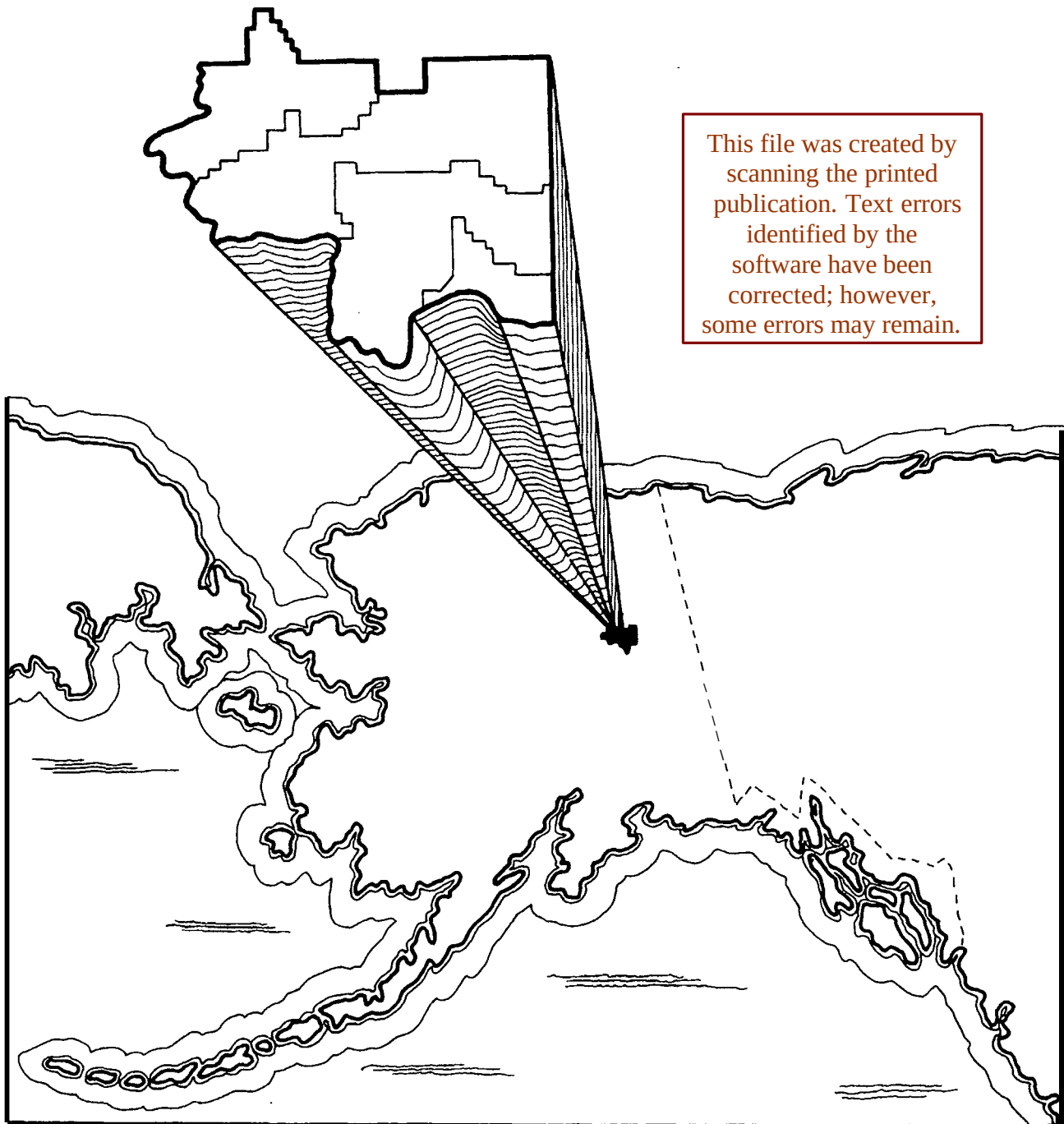
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Timber Resource Statistics for the Upper Yukon Timber Inventory Unit, Alaska, 1980

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Abstract

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The 1980 inventory of the forest resources of the Upper Yukon unit was designed to produce inventory estimates of timberland area, volume of timber, and volumes of timber growth and mortality. Timberland area is estimated at 742,000 acres. Cubic-foot volume on all timberland is estimated at 475 million cubic feet. Timber growth and mortality are estimated at -615,000 cubic feet, and 2,238,000 cubic feet, respectively. Detailed tables provide additional breakdowns of inventory results. The inventory was conducted in 1979 and 1980; data compilation was completed in 1984.

Keywords: Forest surveys, timber resources, statistics (forest), Alaska (interior).

Summary

The 1980 inventory of the timber resources in the Upper Yukon unit showed about 474,645,000 cubic feet of growing stock volume on 742,000 acres of timberland.

A double sampling (two-phase) procedure was used to make estimates of area and volume. The first phase interpreted 13,550 aerial-photo sample plots. The plots on these photos were stratified by land class (timberland, nontimberland, nonforest, and water). From the 13,550 photo points, a random sample was selected for visits on the ground. Tree measurements were made on these 265 plots in the second phase of the sampling to provide data for derived volume estimates. Area estimates were derived from proportional distribution of photo plots adjusted to ground information.

Preface

Forest Inventory and Analysis (FIA) is a nationwide project of the USDA Forest Service authorized by the Forest and Rangeland Renewable Resources Research Act of 1978. Work units of the project, located at Forest Service Experiment Stations, conduct forest resource inventories throughout the 50 States. The Pacific Northwest Research Station at Portland, Oregon, is responsible for forest inventories in Alaska, California, Hawaii, Oregon, and Washington.

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Introduction

The Upper Yukon, Alaska, forest resource inventory unit (fig. 1) is situated between **64° 30'** and **66° 15' N.** latitude and **141°** and **146° 45' W.** longitude. The eastern boundary is the border between the United States and Canada.

At these latitudes, the area is subject to a predominantly Arctic climate. Temperatures range from **-30 °F** in the winter to above **75 °F** in the summer; precipitation ranges from 5 to 25 inches, including the water equivalent of 50-100 inches of snow.

From about mid-May to late July most of the area receives nearly 24 hours of daylight and twilight. From November to mid-February, the area receives less than 10 hours of light. The growing season is generally 90 days long with about 1,800-1,900 growing degree-days.

Inventory Procedures

The estimates of area and timber volumes from the 1980 timber reinventory are based on a double sampling (two-phase) technique (Bickford 1952). In the first phase of the sampling study, 13,550 photo points were systematically distributed over 1:120,000-scale aerial photographs, then interpreted. Each photo point was classified by land type. Of the 13,550 photo plots, 179 were visited on the ground. Tree measurements were made on these plots in the second phase of the sampling. Corrected area

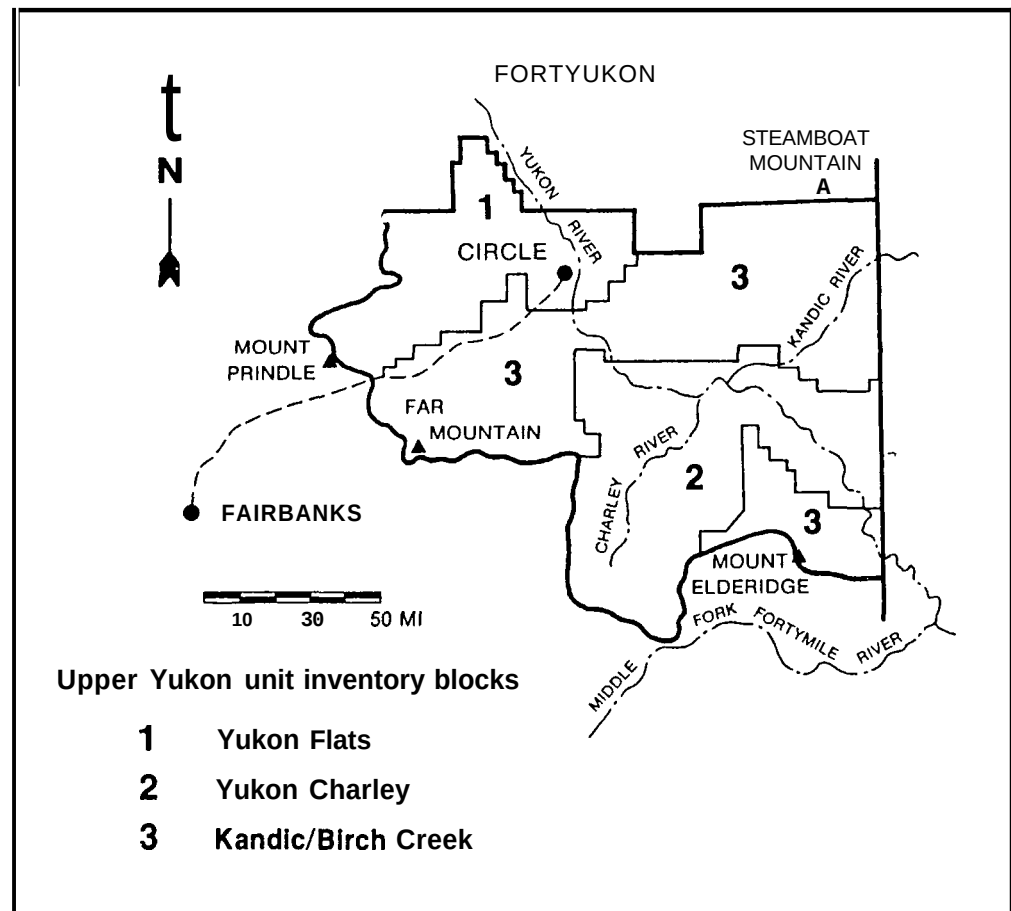


Figure 1—Upper Yukon inventory unit, Alaska, 1980.

classifications and measurements of volume on these ground plots served as the basis for the area and volume estimates presented in this report.

Results

Area

The Upper Yukon unit is approximately 8.2 million acres, but only 742,000 acres (9 percent) are classified as timberland. Most of the timberland is found along major river systems within narrow elevational limits. Seventeen percent (125,000 acres) of the timberland area is classified as sawtimber. Twenty-six percent (194,000 acres) is poletimber, and 57 percent (423,000 acres) is seedling-sapling (fig. 2).

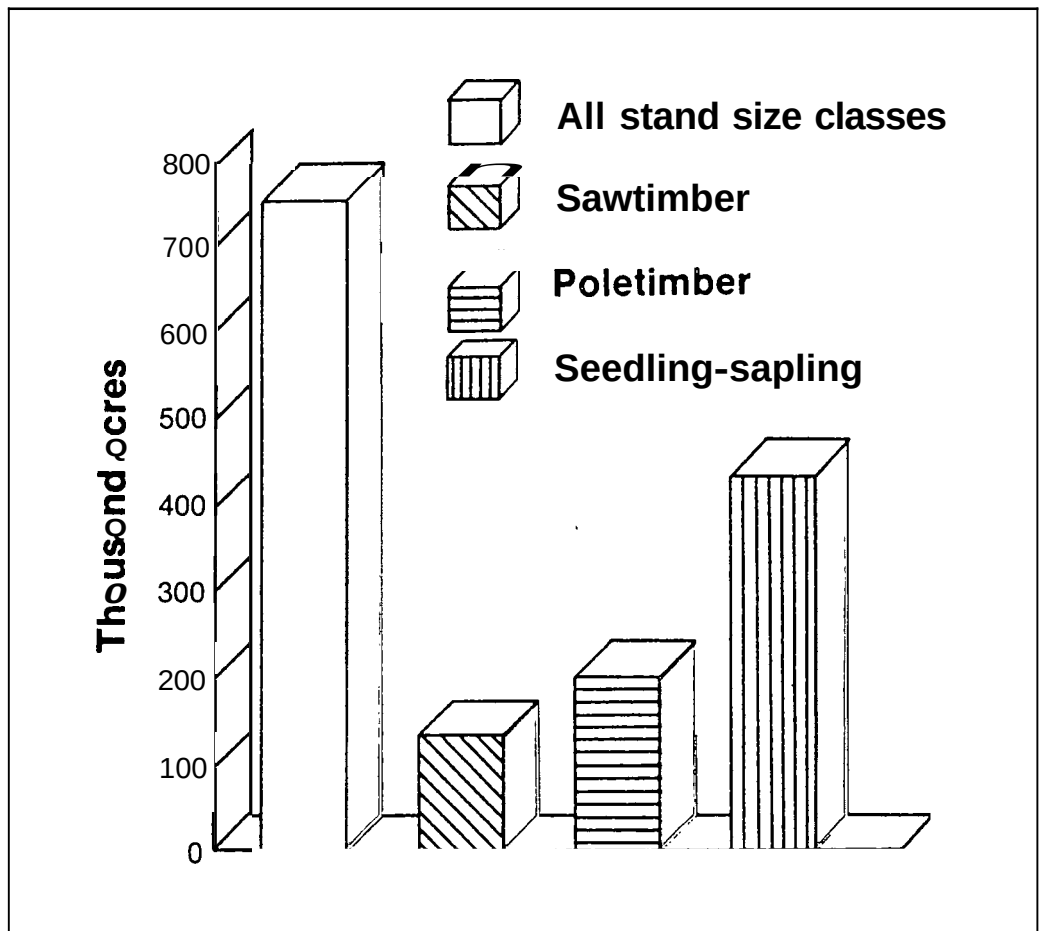


Figure 2—Area of timberland by stand size class, Upper Yukon unit, Alaska, 1980.

Fire

The predominance of poletimber and seedling-sapling stands is testimony to the frequency of fires in the Upper Yukon unit (Yarie 1981). Fires occur throughout the unit in a cycle often limiting tree development to poletimber-size trees; that is, by the time a stand of trees reaches poletimber size, another fire is likely to bum the stand.

The timberland area occupied by poletimber and seedling and sapling stands (617,000 acres) is a good indicator of the timberland area burned within the last 50-100 years.

Volume

Total growing-stock volume on all 742,000 acres of timberland is estimated at 474.6 million cubic feet, or an average of 640 cubic feet per acre.

Total volume in sawtimber stands on timberland is 221.7 million cubic feet. The total in poletimber stands is 172.9 million cubic feet, and in seedling and sapling stands the total is 80.0 million cubic feet (fig. 3). Board-foot (International 1/4-inch rule) volumes in sawtimber, poletimber, and seedling and sapling stands are 825.9 million, 367.4 million, and 73.8 million, respectively.

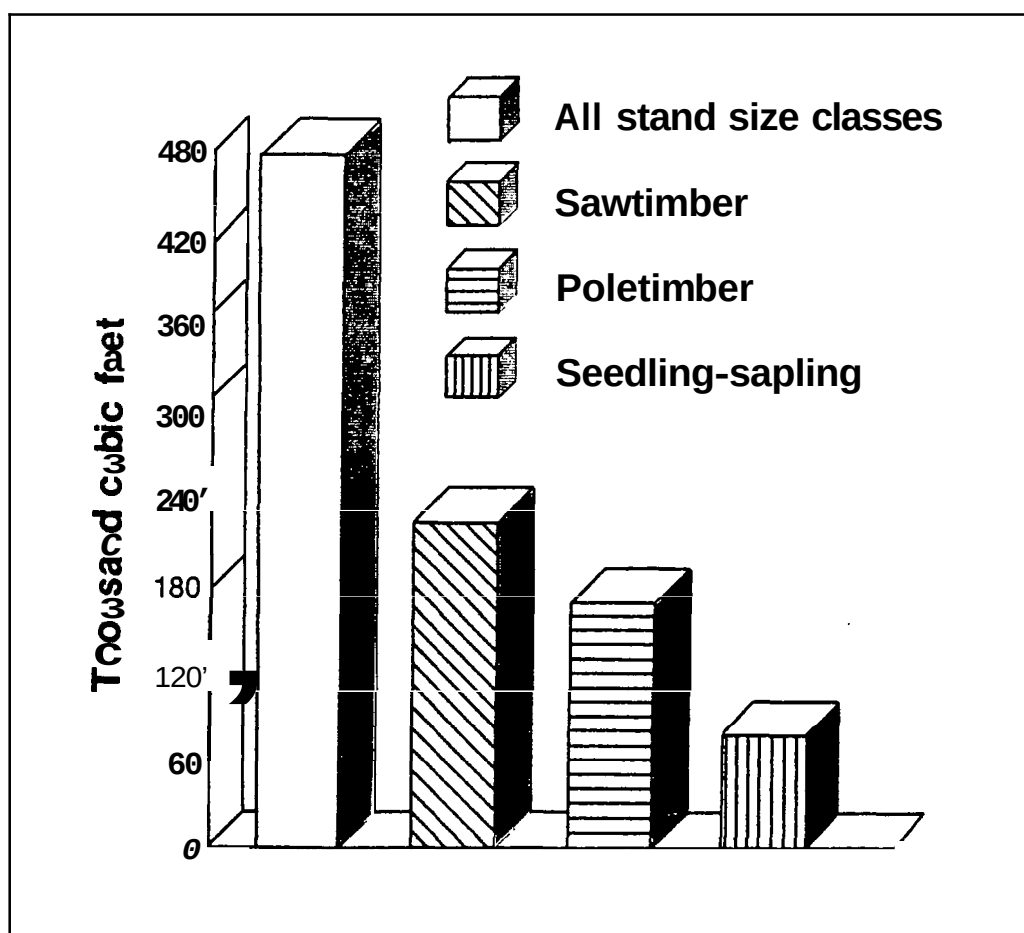


Figure 3—Net cubic-foot volume of growing stock on timberland by stand size class, Upper Yukon unit, Alaska, 1980.

Sawtimber stands average 669 cubic feet per acre, poletimber stands 317 cubic feet per acre, and seedling and sapling stands 28 cubic feet per acre.

Growth

Total net annual growth on growing stock is estimated at -615,410 cubic feet. Sawtimber stands account for -4,708 cubic feet of the total net growth, poletimber stands for 350,513 cubic feet, and seedling and sapling stands for -961,216 cubic feet (fig. 4). Negative net annual growth indicates that annual mortality exceeds gross annual growth.

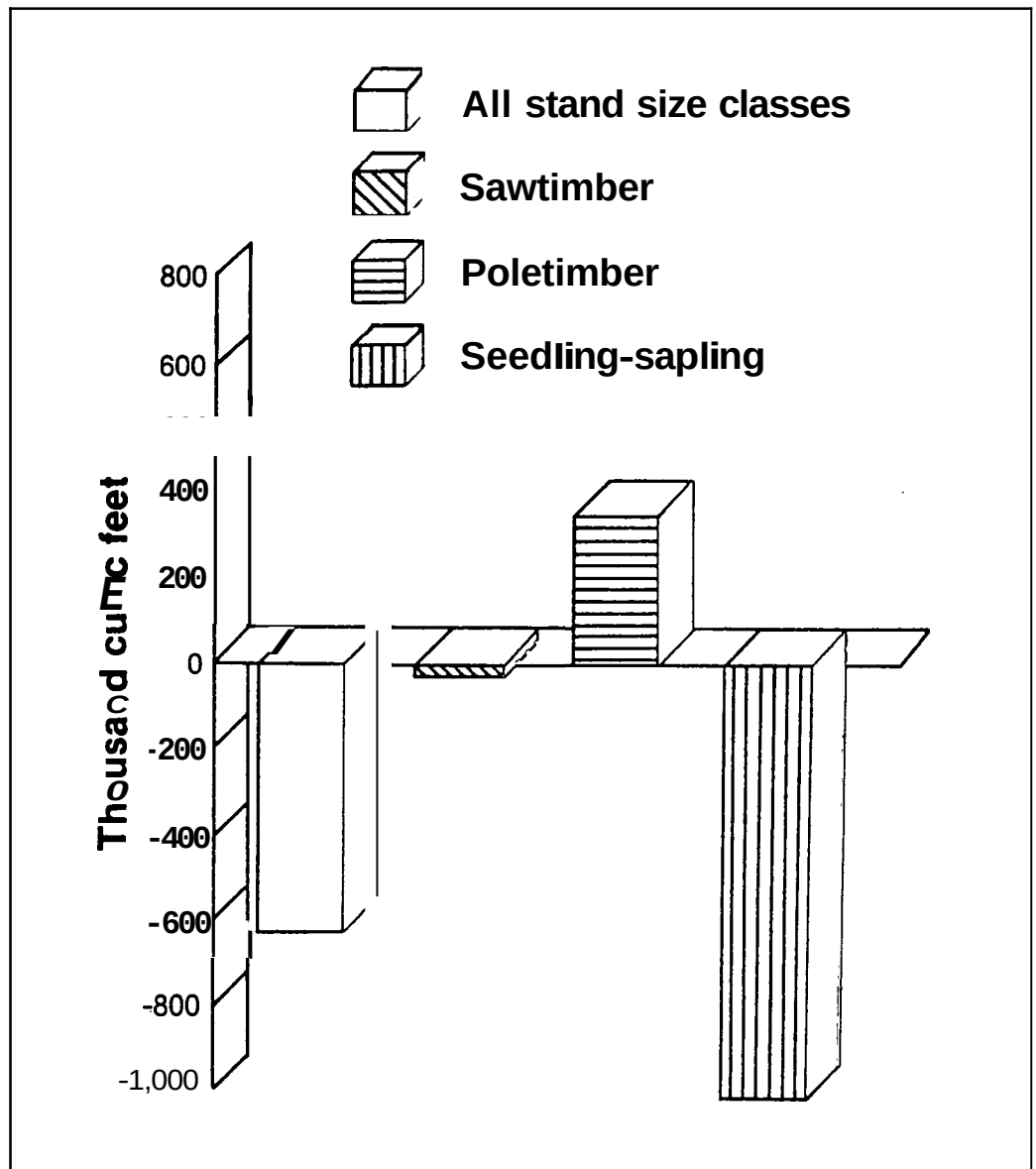


Figure 4—Net annual cubic-foot growth on growing stock by stand size class, Upper Yukon unit, Alaska, 1980.

Mortality

Mortality is extensive in the Upper Yukon unit, mainly because of the fire history of the area. All stand size classes show high degrees of mortality. Mortality in sawtimber stands is 434,461 cubic feet. For poletimber stands, the figure is 688,001 cubic feet. Seedling and sapling stands show 1,115,692 cubic feet of mortality (fig. 5). For all stand size classes, the total mortality is 2,238,154 cubic feet.

An apparent discrepancy exists in estimates of mortality volume presented in tables 44 and 45. Table 44 indicates 53 percent of all cubic-foot mortality occurs on 7.0-8.9-inch white spruce trees. Table 45, however, indicates that 50 percent of all mortality occurs in seedling and sapling stands of the black spruce forest type. This discrepancy exists because stands of a given forest type are rarely composed entirely of one

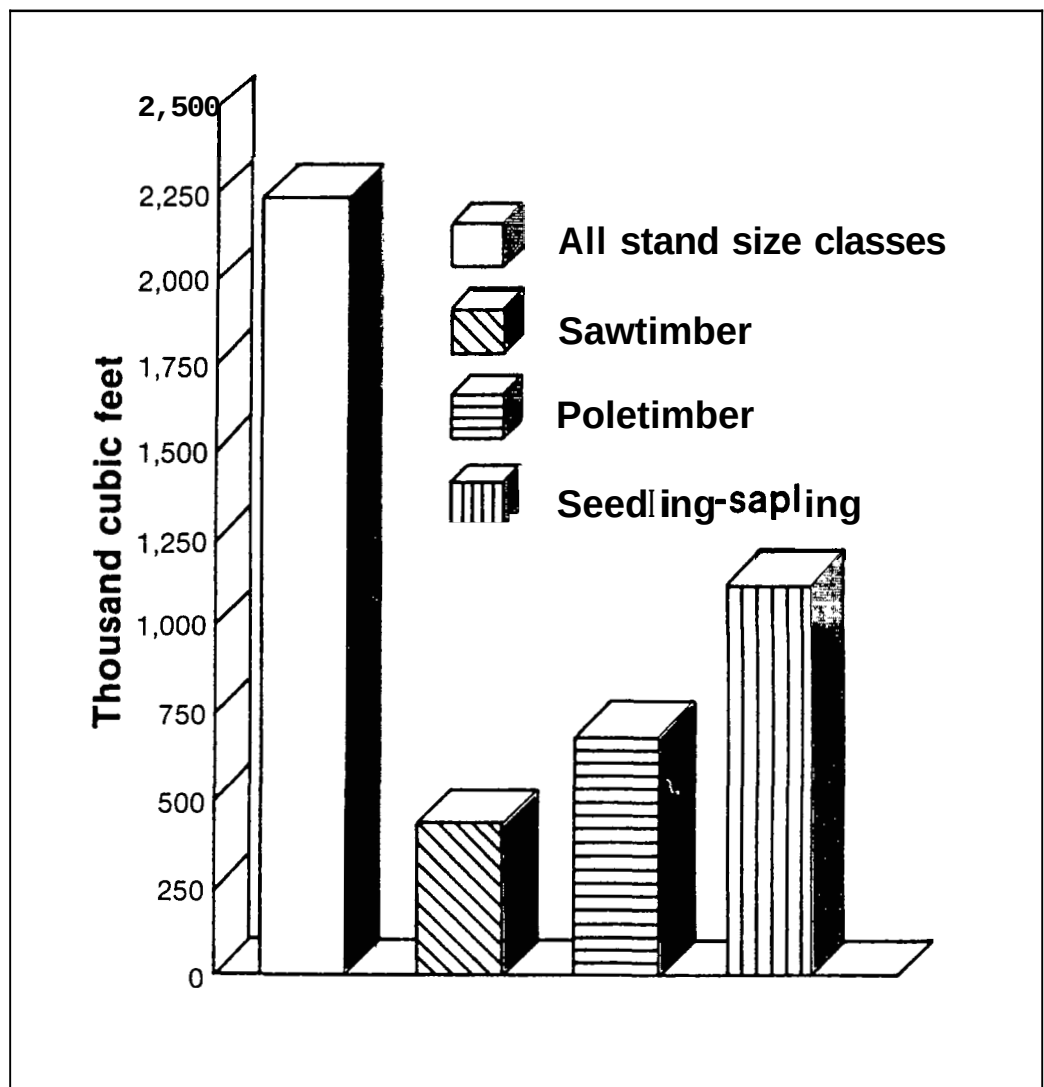


Figure 5—Annual cubic-foot mortality of growing stock by stand size class, Upper Yukon unit, Alaska, 1980.

tree species. Normally some mixture of species occurs and the species comprising a plurality of stocking in the area will determine the forest-type classification. In the Upper Yukon unit, seedling and sapling black spruce forest-type stands were encountered in which the majority of the mortality occurred on poletimber-size white spruce trees. In this situation, mortality volume will show up in different tabulation categories depending on whether the table in question is presenting data on species or forest type.

Ownership Statistics

Statistics on land ownership are not presented in this report because of uncertainties over status of some lands after land selections by Alaska Natives and the State of Alaska and reservation of lands for wilderness designation. These changes in land status are the results of Federal legislation: the Alaska Statehood Act of 1958, Public Law 85-508; the Alaska Native Claims Settlement Act of 1971, Public Law 92-203; and the Alaska National Interest Lands Conservation Act, Public Law 96-487.

Statistics on ownership and the status of reserved land will be published when the status of land shifts is more clear. It is already clear, though, that the Alaska Native and State of Alaska land selections are concentrating on timberlands, and this will reduce the proportion of timberland under Federal ownership.

Reliability of Inventory Data

All area and volume statistics reported here are estimates based on sampling and are subject to sampling error. Sampling errors for all estimates presented in the tables are available on request. The reliability of the inventory is expressed in terms of relative sampling error at the 68-percent confidence level.

	<u>Design sampling error</u>	<u>Sampling error achieved</u>	<u>Sampling error of the total estimate</u>
	----- (Percent) -----		
Timberland area:			
Per million acres	3.0	18.8	
For the total 741,500 acres			21.8
Other forest land area:			
Per million acres	10.0	14.3	
For the total 4.9 million acres			6.5
Net growing stock volume:			
Per billion cubic feet	10.0	14.6	
For the total 474.6 million cubic feet			21.2
Net growth of growing stock:			
Per billion cubic feet	10.0	2.5	
For the total -615,410 cubic feet			100.0

For the Upper Yukon inventory unit, we estimate 474,644,922 cubic feet of growing-stock volume, ± 21.2 percent, yielding 68-percent confidence limits of 374,020,198 and 575,269,645 cubic feet. A 68-percent confidence level means that if repeated samples were taken of this population, the estimate of total volume would be between 374 and 575 million cubic feet 68 percent of the time.

For our estimate of net growth of growing stock, we met our goal for design sampling error; we did not meet our goals for timberland area, other forest land area, and growing stock volume.

Terminology¹

Acceptable trees—Trees meeting the specifications for growing stock but not qualifying as desirable.

Area condition class—A classification of timberland based on the percentage of the area stocked with acceptable and desirable growing-stock trees.

Area condition-class codes —

- 10 Areas 100 percent or more stocked with desirable trees and not overstocked.
- 20 Areas 100 percent or more stocked with desirable trees and overstocked.
- 30 Areas 60 to 100 percent stocked with desirable trees and with less than 30 percent of the area controlled by acceptable growing stock trees, cull trees, inhibiting vegetation, slash, or nonstockable conditions.
- 40 Areas 60 to 100 percent stocked with desirable trees and with 30 percent or more of the area controlled by other trees (or overstocked areas) or conditions that ordinarily prevent occupancy by desirable trees.
- 50 Areas less than 60 percent stocked with desirable trees but with 100 percent or more stocking with growing-stock trees.
- 60 Areas less than 60 percent stocked with desirable trees but with 60- to 100-percent stocking with growing-stock trees.
- 70 Areas less than 60 percent stocked with desirable trees and with less than 60-percent stocking with growing-stock trees.

Census water—Streams, sloughs, estuaries, and canals more than one-eighth mile wide; and lakes, reservoirs and ponds more than 40 acres in area. (Also see non-census water.)

Commercial species—Trees presently or prospectively suitable for industrial products.

Cull log—Softwood sawtimber logs with two-thirds or more of the board-foot volume in cull material. Hardwood sawtimber logs with half or more of the volume in cull material.

¹ Terminology is from USDA Forest Service, Forest Service Handbook, Title 4813.1, 1967, and the manual of field instructions for the forest survey of the Upper Yukon, 1980.

Cull material—Portions of a tree unusable for industrial products because of rot, form, or other defect.

Cull trees—Live trees of sawtimber or poletimber size unmerchantable for saw logs now or prospectively because of defect, rot, or species.

Desirable trees—Growing-stock trees with no serious defects in quality to limit present or prospective use, relatively high vigor, and hosting no pathogens that could result in death or serious deterioration before rotation age. They include the type of trees forest managers aim to grow; that is, trees left in silvicultural cutting or favored in cultural operations.

Forest land—Land at least 16.7 percent stocked by forest trees of any size, or formerly having such tree cover, and not currently developed for nonforest use.

Forest types—A classification of forest land based on the species forming a plurality of the live-tree stocking.

Black spruce—Forests in which a plurality of the stand is black spruce. Black spruce most often occurs in nearly pure stands but can be found mixed with tamarack, white spruce, paper birch, and aspen. Black spruce is fairly characteristic of poorer forest land.

White spruce—Forests in which a plurality of the stand is white spruce. Common associates include paper birch and balsam poplar, and occasionally black spruce or quaking aspen.

Tamarack—Forests in which a plurality of the stand is tamarack. Tamarack rarely occurs as a pure type and is more often found as an associated species in the black spruce type.

Balsam poplar—Forests in which a plurality of the stand is balsam poplar. South of the Alaska Range, balsam poplar may be replaced by black cottonwood or hybrids between the two. As the poplar ages, it is usually replaced by white spruce; however, it is usually found as a nearly pure type with only an occasional white spruce or paper birch associate.

Black cottonwood—Forests in which a plurality of the stand is black cottonwood. Black cottonwood is found south of the Alaska Range in pure stands along the major rivers. It hybridizes extensively with balsam poplar where their ranges overlap; in this overlap area, types are not distinguished by species but are usually reported as cottonwood/poplar. Black cottonwood stands are replaced by white spruce as they age, and the pure stands contain only an occasional white spruce or paper birch.

Paper birch—Forests in which a plurality of the stand is paper birch. Paper birch can occur in pure stands but is more often mixed with white spruce, quaking aspen, or black spruce.

Quaking aspen—Forests in which a plurality of the stand is aspen. Aspen is usually found as a pure type following fire and a willow stage. As aspen ages, it is usually replaced by spruce except on very dry sites where it may remain as a pure type. Common associates include black spruce and white spruce and occasionally paper birch.

Growina-stock trees—Sawtimber trees, poletimber trees, saplings, and seedlings; that is, all live trees except cull trees.

Growing-stock volume—The net volume of sound wood in the bole of growing-stock trees 5.0 inches and larger in d.b.h. (diameter at breast height), from stump to a minimum 4.0-inch top outside bark or to the point where the central stem breaks into limbs.

Hardwoods—Broad-leaved trees that are usually deciduous. “Commercial” interior Alaska hardwood species are balsam poplar, black cottonwood, paper birch, and quaking aspen.

Inonerableforest land—Nontimberland with a gross volume of less than 800 cubic feet per acre.

International 1/4-inch rule—The standard board-foot log rule adopted nationally by the USDA Forest Service for the presentation of inventory volume statistics.

Land area—The area of dry land and land temporarily or partly covered by water such as marshes, swamps, and river flood plains (omitting tidal flats below mean high tide); streams, sloughs, estuaries, and canals less than 120 feet wide; and lakes, reservoirs, and ponds less than 1 acre in area.

Land class—A classification of land by major use, such as timberland, other forest, and nonforest. The minimum-size area for classification is 1 acre.

Mean annual increment (MAI)—A measure of the volume of wood, in cubic feet, produced on 1 acre during 1 year. Forest Inventory and Analysis minimum standard for timberland is the ability to produce 20 cubic feet per acre per year.

Merchantable tree—A merchantable tree must be producing or be capable of producing at least one merchantable saw log that is at least 50-percent sound for hardwoods or 33-percent sound for softwoods, board-foot measure. All poletimber less than 50-percent sound, cubic-foot measure, and all saplings with any sign of rot are not considered merchantable trees, but rotten culls. Trees of such poor form that they will never produce a merchantable saw log are not classified as merchantable trees, but as sound culls or rough trees.

Mortality—Number or sound-wood volume of live trees dying from natural causes during a specified period.

Net annual arowth of arowina stock—The annual change in volume of sound wood in live sawtimber and poletimber trees.

Net annual arowth of sawtimber—The annual change in net board-foot volume of live sawtimber trees.

Net volume—The gross volume of a tree less deductions for rot, sweep, or other defect affecting product use.

Noncensus water—Streams, sloughs, estuaries, and canals between 120 feet and one-eighth mile wide; and lakes, reservoirs, and ponds between 1 and 40 acres in area. (Also see census water.)

Noncommercial species—Tree species of typically small size, poor form, or inferior quality that normally do not develop into trees suitable for industrial products.

Nonforest land—Land that does not qualify as forest land. Includes land that has never supported forests and lands formerly forested where forest use is **precluded** by development for nonforest uses such as crops, improved pasture, residential areas, and city parks. Also includes improved roads and certain areas of water classified by the Bureau of Census as land. Unimproved roads, streams, canals, and nonforest strips in forest areas must be more than 120 feet wide, and clearings in forest areas must be more than 1 acre in size to qualify as nonforest land.

Nonstocked areas—Timberland less than 16.7 percent stocked with growing-stock trees.

Old-growth stands—Stands with at least 50 percent of the live-tree stocking per acre comprised of trees past physiological maturity (assumed to occur at age 150 years).

Other forest land—Unproductive forest land incapable of yielding crops of industrial wood because of adverse site conditions (producing less than 20 cubic feet per acre per year). This includes sterile or poorly drained forest land, subalpine forests, and steep rocky areas where topographic conditions are likely to prevent indefinitely management for timber production.

Poletimber-size tree—Softwood tree 5.0 to 8.9 inches in d.b.h. Hardwood tree 5.0 to 10.9 inches in d.b.h.

Poletimber stands—Stands at least 16.7 percent stocked with growing-stock trees of which half or more is in poletimber- and sawtimber-size trees, with poletimber stocking exceeding that of sawtimber.

Rough trees—Live trees 5.0 inches and larger in d.b.h. that do not contain a saw log, now or prospectively, primarily because of roughness or poor form, or because they are a noncommercial species.

Rotten trees—Live trees 5.0 inches and larger in d.b.h. that do not contain a saw log, now or prospectively, primarily because of rot.

Salvable dead trees—Standing dead trees that are considered currently or potentially merchantable by regional standards. A poletimber tree must be more than one-half sound; a sawtimber tree more than one-third sound (board measure).

Sapling-size tree—A tree 1.0 to 4.9 inches in d.b.h.

Sawlog—A log meeting minimum standards of diameter, length, and defect, including logs at least 8 feet long, sound and straight, and with a minimum small-end diameter inside bark of 6 inches for softwoods (8 inches for hardwoods).

Saw-log portion—That part of the bole of sawtimber trees between the stump and the saw-log top.

Saw-log top—The point on the bole of Sawtimber trees above which a saw-log cannot be produced. The minimum saw-log top is 7.0 inches in d.o.b. (diameter outside bark) for softwoods and 9.0 inches in d.o.b. for hardwoods.

Sawtimber-size tree—Softwood tree 9.0 inches in d.b.h. and larger. Hardwood tree 11.0 inches in d.b.h. and larger.

Sawtimber stands—Stands at least 16.7 percent stocked with growing-stock trees, with half or more of total stocking in sawtimber- or poletimber-size trees, and with sawtimber stocking at least equal to poletimber stocking.

Sawtimber volume—Net volume of sawtimber trees measured in board feet. Net volume equals gross volume less deduction for rot, sweep, crook, and other defects that affect use for lumber.

Seedling-sapling stands—Stands at least 16.7 percent stocked with growing stock trees of which more than half of the stocking is saplings and seedling-size trees.

Seedling-size tree—An established tree less than 1.0 inch in d.b.h.

Site class—A classification of forest land based on capacity to grow crops of industrial wood.

Stand size class—A classification of forest land based on size of the growing stock present; that is, sawtimber, poletimber, or saplings and seedlings.

Stocking—The degree of occupancy of land by trees, measured by basal area and/or the number of trees in a stand by size or age and spacing, compared with the basal area or number of trees required to fully utilize the growth potential of the land; that is, the stocking standard.

Timberland—Forest land producing or capable of producing crops of industrial wood and not withdrawn from timber utilization. Areas qualifying as timberland can produce more than 20 cubic feet per acre per year (20 MAI) of industrial wood under management.

Tree size class—A classification based on the diameter of the tree at breast height (4 1/2 feet above the ground on the uphill side of the tree).

Upper stem portion—That part of the main stem or fork of sawtimber trees above the saw-log top to a minimum top diameter of 4.0 inches outside bark or to the point where the main stem or fork breaks into limbs.

Young growth stands—Stands with at least 50 percent of the live tree stocking per acre comprised of trees that have not reached the age of physiological maturity (150 years).

Names of Trees²

Common name	Scientific name
Softwoods:	
Black spruce	<i>Picea mariana</i> (Mill.) B.S.P.
Tamarack	<i>Larix laricina</i> (DuRoi) K. Koch
White spruce	<i>Picea glauca</i> (Moench) Voss
Hardwoods:	
Balsam poplar	<i>Populus balsamifera</i> L.
Paper birch	<i>Betula papyrifera</i> Marsh.
Quaking aspen	<i>Populus tremuloides</i> Michx.

² Scientific names are according to Viereck and Little (1972).

Tables

Estimates in this report are developed from statistically based samples and, therefore, are subject to sampling error. Sampling errors for estimates of various criteria are presented in the section, "Reliability of Inventory Data."

TABLE 1--AREA BY FOREST TYPE AND LAND CLASS, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

LAND CLASS								
FOREST TYPE	TIMSERLANO	OTHER FOREST LAND	TOTAL FOREST LAND	NONFOREST LAND	NONCENSUS WATER	TOTAL NONFOREST	CENSUS WATER	ALL CLASSES
THOUSAND ACRES								
UNCLASSIFIED	--	--	--	2,455	124	2,579	33	2,011
BLACK SPRUCE	213	3,273	3,487	--	--	--	--	3,487
TAMARACK	--	80	80	--	--	--	--	80
WHITE SPRUCE	241	1,011	1,253	--	--	--	--	1,253
BALSAM POPLAR	125	43	167	--	--	--	--	167
ASPEN	33	170	203	--	--	--	--	203
BIRCH	136	274	404	--	--	--	--	404
NONSTOCKED	--	20	20	--	--	--	--	20
ALL TYPES	742	4,871	5,614	2,455	124	2,579	33	8,225

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 2--AREA BY FOREST TYPE AND LAND CLASS, KANDIC/BIRCH CREEK BLOCK, UPPER YUKON UNIT, ALASKA, 1980

FOREST TYPE	LAND CLASS							
	TIMBERLAND	OTHER FOREST LAND	TOTAL FOREST LAND	NONFOREST LAND	NONCENSUS WATER	TOTAL NONFOREST	CENSUS WATER	ALL CLASSES
THOUSAND ACRES								
UNCLASSIFIED	--	--	--	1,287	50	1,337	7	1,344
BLACK SPRUCE	123	1,844	1,967	--	--	--	--	1,967
TAMARACK	--	46	46	--	--	--	--	46
WHITE SPRUCE	131	568	700	--	--	--	--	700
BALSAM POPLAR	74	25	99	--	--	--	--	99
ASPEN	20	98	118	--	--	--	--	118
BIRCH	79	160	239	--	--	--	--	239
NONSTOCKED	--	10	10	--	--	--	--	10
ALL TYPES	427	2,751	3,178	1,287	50	1,337	7	4,522

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 3--AREA BY FOREST TYPE AND LAND CLASS, YUKON CHARLEY BLOCK, UPPER YUKON UNIT, ALASKA 1980

FOREST TYPE	LAND CLASS							
	TIMBERLAND	OTHER FOREST LAND	TOTAL FOREST LAND	NONFOREST LAND	NONCENSUS WATER	TOTAL NONFOREST	CENSUS WATER	ALL CLASSES
THOUSAND ACRES								
UNCLASSIFIED	--	--	--	783	46	829	18	846
BLACK SPRUCE	59	940	999	--	--	--	--	999
TAMARACK	--	19	19	--	--	--	--	19
WHITE SPRUCE	89	319	408	--	--	--	--	408
BALSAM POPLAR	33	10	43	--	--	--	--	43
PSPEN	10	46	56	--	--	--	--	56
BIRCH	40	86	126	--	--	--	--	126
NONSTOCKED	--	9	9	--	--	--	--	9
ALL TYPES	231	1,429	1,659	783	46	829	18	2,506

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 4--AREA BY FOREST TYPE AND LAND CLASS, YUKON FLATS BLOCK, UPPER YUKON UNIT, ALASKA, 1980

LAND CLASS								
FOREST TYPE	TIMBERLAND	OTHER FOREST LAND	TOTAL FOREST LAND	NONFOREST LAND	NONCENSUS WATER	TOTAL NONFOREST	CENSUS WATER	ALL CLASSES
THOUSAND ACRES								
UNCLASSIFIED	--	--	--	386	27	413	8	422
BLACK SPRUCE	31	491	521	--	--	--	--	521
TAMARACK	--	16	16	--	--	--	--	16
WHITE SPRUCE	21	123	145	--	--	--	--	145
BALSAM POPLAR	12	7	25	--	--	--	--	25
ASPEN	3	26	29	--	--	--	--	29
BIRCH	10	29	39	--	--	--	--	39
NONSTOCKED	--	1	1	--	--	--	--	1
ALL TYPES	83	693	776	386	27	413	8	1,198

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 5--AREA OF TIMBERLAND BY NET CUBIC-FOOT STAND VOLUME CLASS AND FOREST TYPE, LLL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

STAND VOLUME CLPSS	UNCLASSIFIED	BLOCK SPRUCE	TPPPRACK	WHITE SPRUCE	BALSAM PCPLAR	ASPEN	BIRCH	NONSTOCKEO	ALL TYPES
CUBIC FEET PER ACRE									
					THOUSAND ACRES				
1-299	--	108	--	52	--	28	102	--	290
300-799	--	80	--	25	--	5	28	--	138
800-1,499	--	20	--	107	109	--	--	--	236
1,500-2,199	--	--	--	30	5	--	--	--	35
21200 AND MORE	--	5	--	27	10	--	--	--	43
PLL CLASSES	--	213	--	241	125	33	130	--	742

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 6--AREA OF FOREST LAND BY FOREST TYPE, STAND SIZE CLASS, AND CUBIC-FOOT SITE CLASS, PLL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

SITE CLASS (CUBIC FEET) 1/								
FOREST TYPE AND STAND SIZE CLASS	1-9	10-14	15-19	20-49	50-84	85-119	UNCLASSIFIED	ALL CLASSES
THOUSAND ACRES								
SLACK SPRUCE:								
SAWTIMBER	20	--	--	--	--	--	--	20
POLETIMBER	135	5	10	25	--	--	108	282
SEEDLING AND SAPLING	1,194	91	52	108	80	--	107	1,633
NONSTOCKED AREAS	1,388	--	--	--	--	--	143	1,552
TOTAL	2,737	96	62	133	80	--	379	3,487
TAMARACK:								
SAWTIMBER	--	--	--	--	--	--	--	--
POLETIMBER	--	--	--	--	--	--	--	--
SEEDLING AND SAPLING	80	--	--	--	--	--	--	80
NONSTOCKED AREAS	--	--	--	--	--	--	--	--
TOTAL	80	--	--	--	--	--	--	80
WHITE SPRUCE:								
SAWTIMBER	20	118	--	94	11	--	61	266
POLETIMBER	20	44	10	65	--	--	20	158
SEEDLING AND SAPLING	290	70	--	67	5	--	175	510
NONSTOCKED AREAS	198	--	--	--	--	--	--	198
TOTAL	527	236	10	226	16	--	239	1,253
BALSAM POPLAR:								
SPUTIMBER	--	--	--	10	10	--	--	21
POLETIMBER	--	--	--	104	--	--	--	104
SEEDLING AND SAPLING	--	--	--	--	--	--	43	43
NONSTOCKED AREAS	--	--	--	--	--	--	--	--
TOTAL	--	--	--	114	10	--	43	167
ASPEN:								
SAWTIMBER	--	--	--	--	--	--	--	--
POLETIMBER	--	--	--	--	--	--	--	--
SEEDLING AND SAPLING	--	43	--	33	--	--	100	175
NONSTOCKED AREAS	--	--	--	--	--	--	28	28
TOTAL	--	43	--	33	--	--	127	203
BIRCH:								
SAWTIMBER	--	--	1	--	--	--	--	5
POLETIMBER	--	--	--	--	--	--	--	--
SEEDLING AND SAPLING	5	75	20	102	28	--	94	324
NONSTOCKED AREAS	70	--	--	--	--	--	5	75
TOTAL	75	75	25	102	28	--	99	404
NONSTOCKED:								
SAWTIMBER	--	--	--	--	--	--	--	--
POLETIMBER	--	--	--	--	--	--	--	--
SEEDLING AND SAPLING	--	--	--	--	--	--	--	--
NONSTOCKED AREAS	--	--	--	--	--	--	20	20
TOTAL	--	--	--	--	--	--	20	20
ALL TYPES AND CLASSES	3,419	450	97	607	134	--	906	5,614

Estimates are subject to sampling error.
Totals may be off because of rounding.
-- = no data were collected.

1/ Potential yield per acre, mean annual increment.

TABLE 7--AREA OF TIMBERLAND BY CUBIC-FOOT STAND VOLUME CLASS AND
CUBIC-FOOT SITE CLASS, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

STAND VOLUME CLASS	SITE CLASS (CUBIC FEET) 1/			
	20-49	50-84	85-119	ALL CLASSES
CUBIC FEET				
0-299	285	5	--	290
300-799	30	108	--	138
800-1,499	231	5	--	236
1,500-2,199	30	6	--	35
2,200 AND OVER	32	10	--	43
ALL CLASSES	607	134	--	742

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

1/ Potential yield per acre, mean annual increment.

TABLE 8-- AREA OF TIMBERLAND BY BOARD-FOOT STAND VOLUME CLASS, INTERNATIONAL 1/4-INCH RULE, AND FOREST TYPE, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

STAND VOLUME CLASS	BLACK SPRUCE	TAMARACK	WHITE SPRUCE	BALSAM POPLAR	ASPEN	BIRCH	NONSTOCKED	ALL TYPES
BOARD FEET, INTERNATIONAL 1/4-INCH RULE	THOUSAND ACRES							
1-299	134	--	28	--	28	130	--	318
300-799	55	--	30	--	5	--	--	90
800-11499	--	--	5	5	--	--	--	10
1,500-2,199	--	--	25	94	--	--	--	118
2,200-2,999	20	--	44	5	--	--	--	69
3,000-4,999	--	--	48	--	--	--	--	48
5,000-6,999	--	--	10	16	--	--	--	26
7,000 AND OVER	5	--	52	5	--	--	--	63
ALL CLASSES	213	--	241	125	33	130	--	742

Estimates are subject to sampling error.
Totals may be off because of rounding.
-- = no data were collected.

TABLE 9--AREA OF TIMBERLAND BY AREA CONDITION CLASS AND FOREST TYPE, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

AREA CONDITION CLASS	BLACK SPRUCE	TAMARACK	WHITE SPRUCE	BALSAM POPLAR	ASPEN	BIRCH	NONSTOCKED	ALL TYPES
THOUSAND ACRES								
10	--	--	--	--	--	--	--	--
20	43	--	50	5	28	28	--	153
30	--	--	5	94	--	--	--	FV
40	--	--	6	5	--	55	--	66
50	57	--	46	--	5	28	--	136
60	36	--	135	15	--	--	--	236
70	28	--	--	5	--	20	--	52
ALL CLASSES	213	--	241	125	33	130	--	742

Estimates are subject to sampling error.
Totals may be off because of rounding.
-- = no data were collected.

TABLE 11--NUMBER OF LIVE TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

DIAMETER CLASS	SOFTWOODS				HARDWOODS				ALL SPECIES
	TAMARACK	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT									
									THOUSAND TREES
1.0-2.9	--	59,872	76,104	135,977	115,546	3,359	71,562	190,467	326,444
3.0-4.9	--	36,996	51,913	88,910	37,561	8,777	26,445	72,783	161,633
5.0-4.9	--	22,143	14,108	36,251	13,088	8,353	1,860	23,401	59,552
7.0-8.9	--	10,252	1,480	11,732	2,655	2,309	213	5,177	16,909
9.0-10.9	--	6,791	166	6,956	247	1,966	--	2,213	9,169
11.0-12.9	--	2,683	--	2,683	108	842	--	350	3,633
13.0-14.9	--	1,238	--	1,238	123	377	--	500	1,737
15.0-16.9	--	466	--	466	--	147	--	147	613
17.0-18.9	--	350	--	350	1	44	--	45	403
19.0-20.9	--	34	--	34	--	47	--	47	30
21.0-22.9	--	1	--	1	--	7	--	7	8
23.0-24.9	--	13	--	13	--	--	--	--	13
25.0-26.9	--	--	--	--	--	--	--	--	--
27.0-28.9	--	5	--	5	--	--	--	--	5
29.0-30.9	--	--	--	--	--	--	--	--	--
31.0 AND LARGER	--	--	--	--	--	--	--	--	--
ALL CLASSES	--	140,851	143,771	284,623	169,330	26,227	100,080	295,538	580,260

Estimates are subject to sampling error.
Totals may be off because of rounding.
-- = no data were collected.

TABLE 12--NUMBER OF LIVE TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, KANDIC/BIRCH CREEK BLOCK, UPPER YUKON UNIT, ALASKA, 1900

DIAMETER CLASS	SOFTWOODS				HARDWOODS				ALL SPECIES
	TAMARACK	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT					THOUSAND TREES				
1.0-2.9	--	33,874	43,858	77,732	70,976	1,868	43,034	115,878	193,610
3.0-4.9	--	20,314	29,164	49,478	22,454	5,138	15,960	43,552	93,030
5.0-6.9	--	12,191	7,861	20,052	7,522	5,007	1,106	13,636	33,688
7.0-8.9	--	5,529	834	6,363	1,500	1,327	104	2,932	9,295
9.0-10.9	--	3,789	97	3,886	140	1,107	--	1,248	5,134
11.0-12.9	--	1,464	--	1,464	60	413	--	473	1,937
13.0-14.9	--	645	--	645	76	184	--	260	905
15.0-16.9	--	253	--	253	--	78	--	70	331
17.0-18.9	--	217	--	217	--	24	--	25	242
19.0-20.9	--	18	--	18	--	24	--	24	42
21.0-22.9	--	--	--	--	--	4	--	4	4
23.0-24.9	--	7	--	7	--	--	--	--	7
25.0-26.9	--	--	--	--	--	--	--	--	--
27.0-28.9	--	2	--	2	--	--	--	--	2
29.0-30.9	--	--	--	--	--	--	--	--	--
31.0 AND LARGER	--	--	--	--	--	--	--	--	--
ALL CLASSES	--	78,304	81,815	160,120	102,729	15,174	60,205	178,108	338,228

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 13--NUMBER OF LIVE TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, YUKON CHARLEY BLOCK, UPPER YUKON UNIT, ALASKA, 1980

DIAMETER CLASS	SOFTWOODS				HARDWOODS				ALL SPECIES
	TAMARACK	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT									
1.0-2.9	--	20,058	22,723	42,781	34,858	1,045	22,921	58,824	101,605
3.0-4.9	--	13,094	14,164	27,258	11,607	2,376	8,362	22,344	49,602
5.0-6.9	--	7,391	4,160	11,550	4,304	2,150	553	7,007	18,558
7.0-8.9	--	3,749	548	4,297	920	665	97	1,682	5,979
9.0-10.9	--	2,309	58	2,367	91	566	--	657	3,024
11.0-12.9	--	1,017	--	1,017	39	283	--	322	1,339
13.0-14.9	--	506	--	506	37	128	--	165	671
15.0-16.9	--	183	--	183	--	51	--	51	234
17.0-18.9	--	100	--	100	1	15	--	16	117
19.0-20.9	--	14	--	14	--	16	--	16	29
21.0-22.9	--	1	--	1	--	2	--	2	3
23.0-24.9	--	5	--	5	--	--	--	--	5
25.0-26.9	--	--	--	--	--	--	--	--	--
27.0-28.9	--	2	--	2	--	--	--	--	2
29.0-30.9	--	--	--	--	--	--	--	--	--
31.0 AND LARGER	--	--	--	--	--	--	--	--	--
ALL CLASSES	--	48,428	41,653	90,081	51,857	7,296	31,933	91,087	181,168

Estimates are subject to sampling error.
Totals may be off because of rounding.
-- = no data were collected.

TABLE 14--NUMBER OF LIVE TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, YUKON FLATS BLOCK, UPPER YUKON UNIT, ALASKA, 1980

DIAMETER CLASS	SOFTWOODS				HARDWOODS				ALL SPECIES
	TAMARACK	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT									
BASE HEIGHT									
1.0-2.9	--	5,941	9,523	15,464	9,712	447	5,607	15,765	31,229
3.0-4.9	--	3,589	8,585	12,174	3,500	1,263	2,124	6,887	19,060
5.0-6.9	--	2,561	2,087	4,648	1,263	1,196	200	2,658	7,306
7.0-8.9	--	974	98	1,071	235	317	12	563	1,635
9.0-10.9	--	692	11	703	15	293	--	308	1,011
11.0-12.9	--	201	--	201	10	146	--	155	357
13.0-14.9	--	107	--	107	10	65	--	75	162
15.0-16.9	--	30	--	30	--	10	--	10	47
17.0-18.9	--	40	--	40	--	4	--	4	45
19.0-20.9	--	2	--	2	--	7	--	7	9
21.0-22.9	--	--	--	--	--	1	--	1	1
23.0-24.9	--	2	--	2	--	--	--	--	2
25.0-26.9	--	--	--	--	--	--	--	--	--
27.0-28.9	--	1	--	1	--	--	--	--	1
29.0-30.9	--	--	--	--	--	--	--	--	--
31.0 AND LARGER	--	--	--	--	--	--	--	--	--
ALL CLASSES	--	14,119	20,303	34,423	14,743	3,757	7,942	26,442	60,865

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 15--NUMBER OF GROWING STOCK TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

DIAMETER CLASS	SOFTWOODS				HARDWOODS				ALL SPECIES
	TAMARACK	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT									
1.0-2.9	--	37,203	56,403	93,606	101,005	3,204	64,376	168,584	262,190
3.0-4.9	--	26,131	42,418	68,549	30,692	5,811	25,620	62,123	130,672
5.0-6.9	--	22,143	13,124	35,267	11,665	8,353	1,860	21,878	57,144
7.0-8.9	--	10,252	1,165	11,417	2,356	2,192	213	4,761	16,177
9.0-10.9	--	6,791	166	6,956	247	1,875	--	2,122	9,078
11.0-12.9	--	2,683	--	2,683	81	786	--	867	3,550
13.0-14.9	--	1,197	--	1,197	2	377	--	379	1,576
15.0-16.9	--	450	--	450	--	147	--	147	597
17.0-18.9	--	347	--	347	--	44	--	44	391
19.0-20.9	--	24	--	24	--	47	--	47	71
21.0-22.9	--	1	--	1	--	7	--	8	8
23.0-24.9	--	13	--	13	--	--	--	--	13
25.0-26.9	--	--	--	--	--	--	--	--	--
27.0-28.9	--	5	--	5	--	--	--	--	5
29.0-30.9	--	--	--	--	--	--	--	--	--
31.0 AND LARGER	--	--	--	--	--	--	--	--	--
ALL CLASSES	--	107,241	113,275	220,516	146,047	22,842	92,068	260,958	481,474

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 16--NUMBER OF GROWING STOCK TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, KANDIC/BIRCH CREEK BLOCK, UPPER YUKON UNIT, ALASKA, 1980

DIAMETER CLASS	SOFTWOODS				HARDWOODS				ALL SPECIES
	TAMARACK	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT									
1.0-2.9	--	21,455	32,957	54,413	63,512	1,792	38,588	103,893	158,306
3.0-4.9	--	14,703	23,876	38,578	18,869	3,318	15,440	37,627	76,206
5.0-6.9	--	12,191	7,381	19,572	6,807	5,007	1,106	12,921	32,493
7.0-8.9	--	5,529	636	6,165	1,347	1,263	104	2,714	8,879
9.0-10.9	--	3,789	97	3,886	140	1,059	--	1,199	5,086
11.0-12.9	--	1,464	--	1,464	44	386	--	430	1,894
13.0-14.9	--	621	--	621	1	184	--	184	806
15.0-16.9	--	244	--	244	--	78	--	78	322
17.0-18.9	--	211	--	211	--	24	--	24	235
19.0-20.9	--	13	--	13	--	24	--	24	36
21.0-22.9	--	--	--	--	--	4	--	4	4
23.0-24.9	--	7	--	7	--	--	--	--	7
25.0-26.9	--	--	--	--	--	--	--	--	--
27.0-28.9	--	2	--	2	--	--	--	--	2
29.0-30.9	--	--	--	--	--	--	--	--	--
31.0 AND LARGER	--	--	--	--	--	--	--	--	--
ALL CLASSES	--	60,231	64,946	125,177	90,721	13,139	55,239	159,099	284,276

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 17--NUMBER OF GROWING STOCK TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, YUKON CHPRLEY BLOCK, UPPER YUKON UNIT, ALASKA, 1980

DIAMETER CLASS	SOFTWOODS				HARDWOODS				ALL SPECIES
	TAMARACK	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT									
1.0-2.9	--	11,715	16,773	28,488	28,936	992	20,770	50,699	79,187
3.0-4.9	--	8,630	11,481	20,112	8,960	1,645	8,126	18,731	38,843
5.0-6.9	--	7,391	3,728	11,119	3,688	2,150	553	6,391	17,510
7.0-8.9	--	3,749	458	4,207	772	624	97	1,513	5,721
9.0-10.9	--	2,309	58	2,367	91	535	--	626	2,993
11.0-12.9	--	1,017	--	1,017	29	265	--	294	1,311
13.0-14.9	--	491	--	491	2	128	--	130	621
15.0-16.9	--	178	--	178	--	51	--	51	229
17.0-18.9	--	97	--	97	--	15	--	15	112
19.0-20.9	--	10	--	10	--	16	--	16	26
21.0-22.9	--	1	--	1	--	2	--	2	3
23.0-24.9	--	5	--	5	--	--	--	--	5
25.0-26.9	--	--	--	--	--	--	--	--	--
27.0-28.9	--	2	--	2	--	--	--	--	2
29.0-30.9	--	--	--	--	--	--	--	--	--
31.0 AND LARGER	--	--	--	--	--	--	--	--	--
ALL CLASSES	--	35,595	32,498	68,093	42,497	6,423	29,547	78,468	146,560

Estimates are subject to sampling error.
Totals may be off because of rounding.
-- = no data were collected.

TABLE 18--NUMBER OF GROWING STOCK TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, YUKON FLATS BLOCK, UPPER YUKON UNIT, ALASKA, 1980

DIAMETER CLASS	SOFTWOODS				HARDWOODS				ALL SPECIES
	TAMARACK	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BASE OF TREE					THOUSAND TREES				
1.0-2.9	--	4,033	6,672	10,705	8,557	419	5,017	13,992	24,697
3.0-4.9	--	2,798	7,061	9,859	2,863	848	2,054	5,765	15,624
5.0-6.9	--	2,561	2,015	4,576	1,169	1,196	200	2,565	7,141
7.0-8.9	--	974	71	1,045	218	304	12	533	1,578
9.0-10.9	--	692	11	703	15	281	--	297	11,000
11.0-12.9	--	201	--	201	8	136	--	143	345
13.0-14.9	--	84	--	84	--	65	--	65	150
15.0-16.9	--	28	--	28	--	18	--	18	46
17.0-18.9	--	40	--	40	--	4	--	4	44
19.0-20.9	--	1	--	1	--	7	--	7	9
21.0-22.9	--	--	--	--	--	1	--	1	1
23.0-24.9	--	2	--	2	--	--	--	--	2
25.0-26.9	--	--	--	--	--	--	--	--	--
27.0-28.9	--	1	--	1	--	--	--	--	1
29.0-30.9	--	--	--	--	--	--	--	--	--
31.0 AND LARGER	--	--	--	--	--	--	--	--	--
ALL CLASSES	--	11,415	15,831	27,246	12,830	3,279	7,282	23,391	50,638

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 19--NUMBER OF ROUGH TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

DIAMETER CLASS	SOFTWOODS				HARDWOODS				ALL SPECIES
	TAMARACK	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT									
1.0-2.9	--	22,518	19,117	41,634	14,542	155	7,186	21,883	63,518
3.0-4.9	--	10,865	9,495	20,360	6,869	2,966	825	10,660	31,021
5.0-6.9	--	--	984	984	1,424	--	--	1,424	2,407
7.0-8.9	--	--	315	315	76	118	--	193	509
9.0-10.9	--	--	--	--	--	44	--	44	44
11.0-12.9	--	--	--	--	28	55	--	83	83
13.0-14.9	--	41	--	41	--	--	--	--	41
15.0-16.9	--	16	--	16	--	--	--	--	16
17.0-18.9	--	10	--	10	1	--	--	1	12
19.0-20.9	--	9	--	9	--	--	--	--	9
21.0-22.9	--	--	--	--	--	--	--	--	--
23.0-24.9	--	--	--	--	--	--	--	--	--
25.0-26.9	--	--	--	--	--	--	--	--	--
27.0-28.9	--	--	--	--	--	--	--	--	--
29.0-30.9	--	--	--	--	--	--	--	--	--
31.0 AND LARGER	--	--	--	--	--	--	--	--	--
ALL CLASSES	--	33,459	29,911	63,370	22,939	3,338	8,012	34,289	97,659

Estimates are subject to sampling error.
Totals may be off because of rounding.
-- = no data were collected.

TABLE 20--NUMBER OF ROTTEN TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

DIAMETER CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	TAMARACK	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	
INCHES AT BREAST HEIGHT								
1.0-2.9	--	152	585	737	--	--	--	737
3.0-4.9	--	--	--	--	--	--	--	--
5.0-6.9	--	--	--	--	--	--	--	--
7.0-8.9	--	--	--	--	224	--	--	224
9.0-10.9	--	--	--	--	--	47	--	47
11.0-12.9	--	--	--	--	--	--	--	--
13.0-14.9	--	--	--	--	121	--	--	121
15.0-16.9	--	--	--	--	--	--	--	--
17.0-18.9	--	--	--	--	--	--	--	--
19.0-20.9	--	--	--	--	--	--	--	--
21.0-22.9	--	--	--	--	--	--	--	--
23.0-24.9	--	--	--	--	--	--	--	--
25.0-26.9	--	--	--	--	--	--	--	--
27.0-28.9	--	--	--	--	--	--	--	--
29.0-30.9	--	--	--	--	--	--	--	--
31.0 AND LARGER	--	--	--	--	--	--	--	--
ALL CLASSES	--	152	585	737	344	47	--	1,128

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 21--NUMBER OF SALVABLE DEAD TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

DIAMETER CLASS	SOFTWOODS				HARDWOODS				ALL SPECIES
	TAMARACK	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT					THOUSAND TREES				
1.0-2.9	--	--	--	--	--	--	--	--	--
3.0-4.9	--	585	152	737	--	--	--	--	737
5.0-6.9	--	2,410	181	2,591	--	1,627	--	1,627	4,218
7.0-8.9	--	5,182	189	5,371	--	--	--	--	5,371
9.0-10.9	--	862	--	862	43	75	--	118	980
11.0-12.9	--	470	--	470	--	254	--	254	724
13.0-14.9	--	19	--	19	--	--	--	--	19
15.0-16.9	--	29	--	29	--	--	--	--	29
17.0-18.9	--	--	--	--	--	--	--	--	--
19.0-20.9	--	--	--	--	--	--	--	--	--
21.0-22.9	--	--	--	--	--	--	--	--	--
23.0-24.9	--	--	--	--	--	--	--	--	--
25.0-26.9	--	--	--	--	--	--	--	--	--
27.0-28.9	--	--	--	--	--	--	--	--	--
29.0-30.9	--	--	--	--	--	--	--	--	--
31.0 AND LARGER	--	--	--	--	--	--	--	--	--
ALL CLASSES	--	9,558	522	10,080	43	1,957	--	1,999	12,079

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 22--NUMBER OF MORTALITY TREES ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

DIAMETER CLASS	SOFTWOODS				HARDWOODS				ALL SPECIES
	TAMARACK	WHITE SPRUCE	@LACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	CUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT									
1.0-2.9	--	--	--	--	--	--	--	--	--
3.0-4.9	--	--	--	--	--	152	--	152	152
5.0-6.9	--	139	--	139	--	--	--	--	139
7.0-8.9	--	210	38	248	--	--	--	--	248
9.0-10.9	--	9	--	9	9	7	--	16	25
11.0-12.9	--	10	--	10	--	6	--	6	16
13.0-14.9	--	--	--	--	--	--	--	--	--
15.0-16.9	--	--	--	--	--	--	--	--	--
17.0-18.9	--	--	--	--	--	--	--	--	--
19.0-20.9	--	--	--	--	--	--	--	--	--
21.0-22.9	--	--	--	--	--	--	--	--	--
23.0-24.9	--	--	--	--	--	--	--	--	--
25.0-26.9	--	--	--	--	--	--	--	--	--
27.0-28.9	--	--	--	--	--	--	--	--	--
29.0-30.9	--	--	--	--	--	--	--	--	--
31.0 AND LARGER	--	--	--	--	--	--	--	--	--
ALL CLASSES	--	369	38	406	9	165	--	173	580

Estimates are subject to sampling error.
 Totals may be off because of rounding.
 -- = no data were collected.

TABLE 23--NET VOLUME OF TIMBER ON TIMBERLAND BY TIMBER CLASS AND CUBIC-FOOT SITE CLASS, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 190C

TIMBER CLASS	SITE CLASS (CUBIC FEET) 1/			
	20-49	50-84	85-119	ALL CLASSES
THOUSAND CUBIC FEET				
SAWTIMBER TREES:				
SAW-LOG PORTION	183,472	32,134	--	215,606
UPPER STEM PORTION	19,817	3,732	--	23,550
TOTAL	203,289	35,866	--	239,155
POLETIMBER TREES	191,153	44,336	--	235,489
ALL GROWING STOCK	394,145	80,202	--	474,665
ROUGH TREES:				
SAWTIMBER	615	1,654	--	2,269
POLETIMBER	5,286	--	--	5,286
TOTAL	5,901	1,654	--	7,555
ROTTEN TREES:				
SAWTIMBER	--	--	--	--
POLETIMBER	497	--	--	497
TOTAL	497	--	--	497
SALVABLE DEAD TREES:				
SAWTIMBER	15,444	--	--	15,444
POLETIMBER	29,140	6,123	--	35,262
TOTAL	44,584	6,123	--	50,707
ALL CLASSES	445,425	87,979	--	533,404

Estimates are subject to sampling error.
Totals may be off because of rounding.
-- = no data were collected.

1/ Potential yield per acre, mean annual increment.

TABLE 24--NET VOLUME OF GROWING STOCK BY FOREST TYPE AND STAND SIZE CLASS, ALL BLOCKS, UPPER YUKON UNIT,
ALASKA, 1980.

FOREST TYPE	SAFTIMBER					ALL CLASSES
	OLD GROWTH	YOUNG GROWTH	POLETIMBER	SEEDLING/SAPLING	NONSTOCKED	
THOUSAND CUBIC FEET						
BLACK SPRUCE	--	--	32,563	37,334	--	69,896
TAYARACK	--	--	--	--	--	--
WHITE SPRUCE	--	182,315	82,493	21,651	--	286,460
BALSAM POPLAR	--	39,357	57,870	--	--	97,227
ASPEN	--	--	--	4,818	--	48818
BIRCH	--	--	--	16,244	--	18,244
TOTAL	--	221,672	172,926	80,047	--	474,645

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 25--NET VOLUME OF TIMBER ON TIMBERLAND BY TIMBER CLASS AND DIAMETER CLASS, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

	DIAMETER CLASS (INCHES AT BREAST HEIGHT)												
TIMBER CLASS	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 22.9	23.0- 24.9	25.0- 26.9	27.0- 28.9	ALL CLASSES
THOUSAND CUBIC FEET													
SAWTIMBER TREES:													
SAW-LOG PORTION	--	--	74,138	57,956	39,759	20,581	16,711	3,796	540	1,330	--	795	215,606
UPPER STEM PORTION	--	--	10,688	8,211	3,017	988	495	119	15	12	--	6	23,550
TOTAL	--	--	84,826	66,167	42,776	21,569	17,206	3,915	555	1,342	--	801	239,155
POLETIMBER TREES	16,997	99,779	18,713	--	--	--	--	--	--	--	--	--	235,489
ALL GROWING STOCK	116,997	99,779	103,539	66,167	42,776	21,569	17,206	3,915	555	1,342	--	801	474,645
ROUGH TREES:													
SAWTIMBER	--	--	--	793	476	339	455	206	--	--	--	--	2,269
POLETIMBER	3,261	1,969	56	--	--	--	--	--	--	--	--	--	5,286
TOTAL	3,261	1,969	56	793	476	339	455	206	--	--	--	--	7,555
ROTTEN TREES:													
SAWTIMBER	--	--	--	--	--	--	--	--	--	--	--	--	--
POLETIMBER	--	322	175	--	--	--	--	--	--	--	--	--	497
TOTAL	--	322	175	--	--	--	--	--	--	--	--	--	497
SALVABLE DEAD TREES:													
SAWTIMBER	--	--	5,487	9,034	299	625	--	--	--	--	--	--	15,444
POLETIMBER	8,462	26,119	681	--	--	--	--	--	--	--	--	--	35,262
TOTAL	8,462	26,119	6,168	9,034	299	625	--	--	--	--	--	--	50,707
ALL CLASSES	128,720	128,190	109,939	75,994	43,550	22,533	17,661	4,121	555	1,342	--	801	533,404

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 26--NET VOLUME OF TIMBER ON TIMBERLAND BY TIMBER CLASS AND SPECIES, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

TIMBER CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	WHITE SPRUCE	@LACK SPUQUE	TOTAL SOFTWOODS	PAPER BIPCH	BALSAM PCFLAR	CUAKING ASPEN	TOTAL HARDWCCOS	
THOUSAND CUBIC FEET								
SAWTIMBER TREES:								
SAW-LOG PORTION	189,038	1,572	190,610	841	24,155	--	24,996	215,606
UPPER STEM PORTION	16,933	274	17,207	337	6,006	--	6,343	23,550
TOTAL	205,971	1,846	207,817	1,178	30,161	--	31,339	239,155
POLETIMBER TREES	127,368	28,010	155,377	40,443	35,473	4,196	80,112	235,490
ALL GROWING STOCK	333,338	29,856	363,194	41,621	65,634	4,196	111,451	474,645
ROUGH TREES:								
SAWTIMBER	1,422	--	1,422	462	384	--	947	2,269
POLETIMBER	--	3,318	3,318	1,607	361	--	1,968	5,286
TOTAL	1,422	3,318	4,740	2,070	745	--	2,915	7,555
ROTTEN TREES:								
SAWTIMBER	--	--	--	--	--	--	--	--
POLETIMBER	--	--	--	322	175	--	497	497
TOTAL	--	--	--	322	175	--	497	497
SALVABLE DEAD TREES:								
SAWTIMBER	13,115	--	13,115	--	2,330	--	2,330	15,444
POLETIMBER	30,283	1,897	32,179	99	2,983	--	3,083	35,262
TOTAL	43,398	1,897	45,294	99	5,313	--	5,413	50,707
ALL CLASSES	378,158	35,070	413,228	44,113	71,868	4,196	120,176	533,404

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 27--NET VOLUME OF CROWING STOCK BY FOREST TYPE AND LAND CLASS, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

LAND CLASS									
FOREST TYPE	TIMBERLAND	OTHER FOREST LAND, POSSIBLE	OTHER FOREST LAND, INCORPORABLE	TOTAL FOREST LAND	NONFOREST LAND	NONCENSUS WATER	TOTAL NONFOREST	CENSUS WATER	ALL CLASSES
THOUSAND CUBIC FEET									
BLACK SPRUCE	69,896	17,133	206,240	293,269	--	--	--	--	293,269
TAMARACK	--	--	--	--	--	--	--	--	--
WHITE SPRUCE	286,460	185,065	70,714	542,239	--	--	--	--	542,239
BALSAM POPLAR	97,227	--	--	97,227	--	--	--	--	97,227
ASPEN	4,818	--	1,308	6,126	--	--	--	--	6,126
BIRCH	168,244	--	20,730	36,974	--	--	--	--	36,974
NONSTOCKED	--	--	--	--	--	--	--	--	--
UNCLASSIFIED	--	--	--	--	--	--	--	--	--
TOTAL	474,645	202,197	298,991	975,033	--	--	--	--	975,833

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 28--NET VOLUME OF GROWING STOCK BY FOREST TYPE AND LAND CLASS, KANDIC/BIRCH CREEK BLOCK, UPPER YUKON UNIT, ALASKA, 1980

FOREST TYPE	LAND CLASS							
	TIMBERLAND	OTHER FOREST LAND, OPERABLE	OTHER FOREST LAND, INCAPABLE	TOTAL FOREST LAND	NONFOREST LAND	NONCENSUS WATER	TOTAL NONFOREST	CENSUS WATER
THOUSAND CUBIC FEET								
BLACK SPRUCE	38,667	10,035	113,928	162,630	--	--	--	--
TAMARACK	--	--	--	--	--	--	--	--
WHITE SPRUCE	154,297	105,052	38,283	297,632	--	--	--	--
BALSAM POPLAR	54,532	--	--	54,532	--	--	--	--
ASPEN	2,675	--	778	3,453	--	--	--	--
BIRCH	10,121	--	12,147	22,268	--	--	--	--
NONSTOCKED	--	--	--	--	--	--	--	--
UNCLASSIFIED	--	--	--	--	--	--	--	--
TOTAL	260,262	115,087	165,136	540,485	--	--	--	--

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 29--NET VOLUME OF CROWING STOCK BY FOREST TYPE AND LAND CLASS, YUKON CHARLEY BLOCK, UPPER YUKON UNIT, ALASKA, 1980

FOREST TYPE	LAND CLASS								ALL CLASSES
	TIMBERLAND	OTHER FOREST LAND, OPERABLE	OTHER FOREST LAND, INOPERABLE	TOTAL FOREST LAND	NONFOREST LAND	NONCENSUS WATER	TOTAL NONFOREST	CENSUS WATER	
THOUSAND CUBIC FEET									
BLACK SPRUCE	221,927	5,972	62,339	91,238	--	--	--	--	91,238
TAMARACK	--	--	--	--	--	--	--	--	--
WHITE SPRUCE	108,087	62,395	27,289	197,772	--	--	--	--	197,772
BALSAM POPLAR	28,216	--	--	28,216	--	--	--	--	28,216
ASPEN	1,500	--	312	1,812	--	--	--	--	1,812
BIRCH	4,775	--	6,137	10,912	--	--	--	--	10,912
NONSTOCKED	--	--	--	--	--	--	--	--	--
UNCLASSIFIED	--	--	--	--	--	--	--	--	--
TOTAL	165,504	60,367	96,078	329,950	--	--	--	--	329,950

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 30--NET VOLUME OF GROWING STOCK BY FOREST TYPE AND LAND CLASS, YUKON FLATS BLOCK, UPPER YUKON UNIT, ALASKA, 1980

FOREST TYPE	LAND CLASS							
	TIMBERLAND	OTHER FOREST LAND, OPERABLE	OTHER FOREST LAND, INOPERABLE	TOTAL FOREST LAND	NONFOREST LAND	NONCENSUS WATER	TOTAL NONFOREST	CENSUS WATER
THOUSAND CUBIC FEET								
BLACK SPRUCE	8,303	1,126	29,972	39,401	--	--	--	--
TAMARACK	--	--	--	--	--	--	--	--
WHITE SPRUCE	24,075	17,617	5,142	46,835	--	--	--	--
BALSAM POPLAR	14,509	--	--	14,509	--	--	--	--
ASPEN	643	--	217	860	--	--	--	--
BIRCH	1,349	--	2,445	3,796	--	--	--	--
NONSTOCKED	--	--	--	--	--	--	--	--
UNCLASSIFIED	--	--	--	--	--	--	--	--
TOTAL	48,878	10,743	37,777	105,399	--	--	--	--

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 31--NET VOLUME OF GROWING STOCK ON TIMBERLAND BY DIAMETER CLASS AND FOREST TYPE, ALL BLOCKS,
UPPER YUKON UNIT, ALASKA, 1980

DIAMETER CLASS	UNCLASSIFIED	TAMARACK	BLACK SPRUCE	WHITE SPRUCE	BALSAM POPLAR	ASPEN	BIRCH	NONSTOCKED	ALL TYPES
INCHES AT BASE OF TREE									
1.0-2.9	--	--	--	--	--	--	--	--	--
3.0-4.9	--	--	--	--	--	--	--	--	--
5.0-6.9	--	--	36,814	44,698	18,723	4,448	12,315	--	116,997
7.0-8.9	--	--	13,501	66,730	15,618	--	3,930	--	99,779
9.0-10.9	--	--	9,517	74,239	19,412	370	--	--	103,539
11.0-12.9	--	--	6,550	46,858	12,758	--	--	--	66,167
13.0-14.9	--	--	3,513	30,842	8,420	--	--	--	42,776
15.0-16.9	--	--	--	16,669	4,880	--	--	--	21,569
17.0-18.9	--	--	--	4,435	12,771	--	--	--	17,206
19.0-20.9	--	--	--	1,115	2,800	--	--	--	3,915
21.0-22.9	--	--	--	86	468	--	--	--	555
23.0-24.9	--	--	--	765	577	--	--	--	1,342
25.0-26.9	--	--	--	--	--	--	--	--	--
27.0-28.9	--	--	--	--	801	--	--	--	601
29.0-30.9	--	--	--	--	--	--	--	--	--
31.0 AND LARGER	--	--	--	--	--	--	--	--	--
ALL CLASSES	--	--	69,896	286,460	97,227	4,818	16,244	--	474,645

Estimates are subject to sampling error.
Totals may be off because of rounding.
-- = no data were collected.

TABLE 32--NET VOLUME OF GROWING STOCK ON TIMBERLAND BY DIAMETER CLASS AND CUBIC-FOOT STAND VOLUME CLASS, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

STAND VOLUME CLASS (CUBIC FEET PER ACRE)						
DIAMETER CLASS	0-299	300-799	800-1,499	1,500-2,199	2,200 AND MORE	ALL CLASSES
INCHES AT BASE						
1.0-2.9	--	--	--	--	--	--
3.0-4.9	--	--	--	--	--	--
5.0-6.3	18,218	32,537	48,819	9,845	7,578	116,997
7.0-8.9	5,822	11,657	50,489	14,439	17,373	99,779
9.0-10.9	1,865	370	55,563	17,866	27,875	103,539
11.0-12.9	4,214	6,570	18,005	6,300	31,078	66,167
13.0-14.9	--	507	11,773	10,404	20,092	42,776
15.0-16.9	398	--	2,896	8,112	10,163	21,569
17.0-18.9	--	--	11,710	2,852	2,644	17,206
19.0-20.9	--	--	1,560	1,240	1,115	3,915
21.0-22.9	--	--	468	--	86	555
23.0-24.9	--	--	1,342	--	--	1,342
25.0-26.9	--	--	--	--	--	--
27.0-28.9	--	--	801	--	--	801
29.0-30.9	--	--	--	--	--	--
31.0 AND LARGER	--	--	--	--	--	--
ALL CLASSES	30,517	51,641	203,426	71,058	118,003	474,645

Estimates are subject to sampling error.
Totals may be off because of rounding.
-- = no data were collected.

TABLE 33--NET VOLUME OF GROWING STOCK ON TIMBERLAND BY BASAL AREA CLASS AND SPECIES, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

BASAL AREA CLASS	TPMARBCK	SOFTWOODS			HARDWOODS				ALL SPECIES
		WHITE SPRUCE	BLACK SPRUCE	TOTAL SCFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
SQUARE FEET PER ACRE									
1-19	--	10,526	2,679	13,204	91659	--	2,344	12,002	25,207
20-39	--	24,688	10,945	35,633	18,845	--	--	18,845	54,477
40-59	--	98,160	--	98,160	1,965	27,376	774	30,114	128,275
60-79	--	61,953	8,782	70,735	4,477	9,637	1,078	15,192	85,926
80-99	--	17,766	2,489	20,255	385	--	--	395	20,640
100-119	--	75,303	4,961	80,264	1,165	14,324	--	15,489	95,753
120-139	--	31,666	--	31,666	--	94,133	--	14,133	45,799
140-159	--	10,811	--	10,811	5,128	--	--	5,128	15,930
160-179	--	2,466	--	2,466	--	164	--	164	2,630
180-199	--	--	--	--	--	--	--	--	--
200 AND OVER	--	--	--	--	--	--	--	--	--
ALL CLASSES	--	333,338	29,856	363,194	41,621	65,634	4,196	111,451	474,645

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 34--NET VOLUME OF GROWING STOCK BY FOREST TYPE, STAND SIZE CLASS, AND CUBIC-FOOT SITE CLASS, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

SITE CLASS (CUBIC FEET) 1/								
FOREST TYPE AND STAND SIZE CLASS	TIMBERLAND						UNCLASSIFIED	ALL CLASSES
	1-9	10-14	15-19	20-49	50-84	85-119		
	NET CUBIC FEET PER ACRE							
BLACK SPRUCE:								
SAWTIMBER	501	--	--	--	--	--	--	501
POLETIMBER	187	212	1,693	1,325	--	--	434	435
SEEDLING AND SAPLING	58	495	39	82	355	--	15	95
NONSTOCKED AREAS	7	--	--	--	--	--	--	0
TOTAL	40	480	308	312	354	--	128	84
TAMARACK:								
SAWTIMBER	--	--	--	--	--	--	--	--
POLETIMBER	--	--	--	--	--	--	--	--
SEEDLING AND SAPLING	--	--	--	--	--	--	--	--
NONSTOCKED AREAS	--	--	--	--	--	--	--	--
TOTAL	--	--	--	--	--	--	--	--
WHITE SPRUCE:								
SAWTIMBER	120	927	--	1,708	2,507	--	818	1,154
POLETIMBER	31	as4	861	1,266	--	--	524	982
SEEDLING AND SAPLING	102	210	--	306	247	--	--	110
NONSTOCKED AREAS	25	--	--	--	--	--	--	25
TOTAL	71	692	861	1,167	1,468	--	194	433
BALSAM POPLAR:								
SAWTIMBER	--	--	--	1,887	1,934	--	--	1,910
POLETIMBER	--	--	--	556	--	--	--	556
SEEDLING AND SAPLING	--	--	--	--	--	--	--	--
NONSTOCKED AREAS	--	--	--	--	--	--	--	--
TOTAL	--	--	--	676	1,934	--	--	581
ASPEN:								
SAWTIMBER	--	--	--	--	--	--	--	--
POLETIMBER	--	--	--	--	--	--	--	--
SEEDLING AND SAPLING	--	31	--	147	--	--	--	35
NONSTOCKED AREAS	--	--	--	--	--	--	--	--
TOTAL	--	31	--	147	--	--	--	30
BIRCH:								
SAWTIMBER	--	--	--	--	--	--	--	--
POLETIMBER	--	--	--	--	--	--	--	--
SEEDLING AND SAPLING	482	200	163	75	310	--	--	114
NONSTOCKED AREAS	--	--	--	--	--	--	--	--
TOTAL	32	200	129	75	310	--	--	92
ALL TYPES AND CLASSES	44	502	321	649	598	--	105	174

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

1/ Potential yield per acre, mean annual increment.

TABLE 35--NET VOLUME OF SAWTIMBER BY FOREST TYPE AND STAND SIZE CLASS, ALL BLOCKS, UPPER YUKON UNIT,
ALASKA, 1980

SAUTIMBER						
FOREST TYPE	OLD GROWTH	YOUNG GROWTH	POLETIMBER	SEEDLING/SAPLING	NONSTOCKED	ALL CLASSES
THOUSAND BOARD FEET INTERNATIONAL 1/4-INCH RULE						
BLACK SPRUCE	--	--	82,572	25,610	--	108,182
WHITE SPRUCE	--	690,380	177,267	46,261	--	913,907
TAMARACK	--	--	--	--	--	--
BALSAM POPLAR	--	135,584	107,602	--	--	243,185
ASPEN	--	--	--	1,956	--	1,956
BIRCH	--	--	--	--	--	--
TOTAL	--	825,964	367,440	73,827	--	1,267,231

Estimates are subject to sampling error.
Totals may be off because of rounding.
-- = no data were collected.

TABLE 36--NET VOLUME OF SAWTIMBER BY FOREST TYPE AND LAND CLASS, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

FOREST TYPES	OTHER TIMBERLAND	OTHER FOREST LAND, OPERABLE	OTHER FOREST LAND, INOPERABLE	TOTAL FOREST LAND	NONFOREST LAND	NONCENSUS WATER	TOTAL NONFOREST	CENSUS WATER	ALL CLASSES
THOUSAND BOARD FEET, INTERNATIONAL 1/4-INCH RULE									
BLACK SPRUCE	108,182	24,291	247,396	379,869	--	--	--	--	379,869
WHITE SPRUCE	513,907	652,175	151,926	1,718,008	--	--	--	--	1,718,008
TAMARACK	--	--	--	--	--	--	--	--	--
BALSAM POPLAR	243,185	--	--	243,185	--	--	--	--	243,185
ASPEN	1,956	--	--	1,956	--	--	--	--	1,956
BIRCH	--	--	10,184	10,194	--	--	--	--	10,184
NONSTOCKED	--	--	--	--	--	--	--	--	--
UNCLASSIFIED	--	--	--	--	--	--	--	--	--
ALL TYPES	1,267,231	676,467	409,505	2,353,203	--	--	--	--	2,353,203

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 37--NET VOLUME OF SAWTIMBER ON TIMBERLAND BY DIAMETER CLASS AND FOREST TYPE, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

DIAMETER CLASS	UNCLASSIFIED	TAMARACK	BLACK SPRUCE	WHITE SPRUCE	BALSAM POPLAR	ASPEN	BIRCH	NONSTOCKED	ALL TYPES
INCHES AT BASE HEIGHT	THOUSAND BOARD FEET, INTERNATIONAL 1/4-INCH RULE								
1.0-2.9	--	--	--	--	--	--	--	--	--
3.0-4.9	--	--	--	--	--	--	--	--	--
5.0-6.9	--	--	--	--	--	--	--	--	--
7.0-8.9	--	--	--	--	--	--	--	--	--
9.0-10.9	--	--	51,288	353,272	41,038	1,956	--	--	447,555
11.0-12.9	--	--	36,383	250,826	45,192	--	--	--	332,401
13.0-14.9	--	--	20,511	174,903	36,932	--	--	--	232,350
15.0-16.9	--	--	--	95,510	23,646	--	--	--	119,157
17.0-18.9	--	--	--	26,639	68,426	--	--	--	95,065
19.0-20.9	--	--	--	7,168	16,524	--	--	--	23,692
21.0-22.9	--	--	--	569	2,742	--	--	--	3,310
23.0-24.9	--	--	--	5,016	3,364	--	--	--	8,380
25.0-26.9	--	--	--	--	--	--	--	--	--
27.0-28.9	--	--	--	--	5,320	--	--	--	5,320
29.0-30.9	--	--	--	--	--	--	--	--	--
31.0 AND LARGER	--	--	--	--	--	--	--	--	--
ALL CLASSES	--	--	108,182	913,907	243,185	1,956	--	--	1,267,231

Estimates are subject to sampling error.
Totals may be off because of rounding.
-- = no data were collected.

TABLE 38--NET VOLUME OF SAWTIMBER ON TIMBERLAND BY BASAL AREA CLASS AND SPECIES, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

BASAL AREA CLASS	SOFTWOODS				HARDWOODS				ALL SPECIES
	TAMARACK	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
	THOUSAND BOARD FEET INTERNATIONAL 1/4-INCH RULE								
SQUARE FEET PER ACRE									
1-19	--	37,218	--	37,218	--	--	--	--	37,218
20-39	--	36,914	--	36,914	846	--	--	846	37,759
40-59	--	318,105	--	318,105	1,912	24,714	--	26,626	344,731
60-79	--	162,692	--	162,692	1,829	32,475	--	34,304	196,997
80-99	--	76,638	--	76,638	--	--	--	--	76,638
100-119	--	291,467	9,487	300,954	482	35,930	--	36,413	337,367
120-139	--	154,819	--	154,819	--	33,354	--	33,354	187,549
140-159	--	41,107	--	41,107	--	--	--	--	41,107
160-179	--	7,864	--	7,864	--	--	--	--	7,864
180-199	--	--	--	--	--	--	--	--	--
200 AND OVER	--	--	--	--	--	--	--	--	--
ALL CLASSES	--	1,126,201	9,437	1,135,688	5,069	126,473	--	131,543	1,267,231

Estimates are subject to sampling error.
Totals may be off because of rounding.
-- = no data were collected.

TABLE 39--NET VOLUME OF SAYERIMBER PER ACRE BY FOREST TYPE, STAND SIZE CLASS AND CUBIC-FOOT SITE CLASS, ALL BLOCKS, UPPER TUKON UNIT, ALASKA, 1980

SITE CLASS (CUBIC FEET) I/								
FOREST TYPE AND STAND SIZE CLASS	TIMBERLAND						UNCLASSIFIED	ALL CLASSES
	1-9	10-14	15-19	20-49	50-84	85-119		
	NET BOARD FEET (INTERVAL 0-114 INCH RULE) PER ACRE							
BLACK SPRUCE:								
SAYTIMBER	1,274	--	--	--	--	--	--	1,274
POLETIMBER	179	--	2,401	3,361	--	--	662	717
SEEDLING AND SAPLING	77	--	--	237	--	--	23	74
NONSTOCKED AREAS	23	--	--	--	--	--	--	21
TOTAL	63	--	391	815	--	--	195	109
TAUARACK:								
SAYTIMBER	--	--	--	--	--	--	--	--
POLETIMBER	--	--	--	--	--	--	--	--
SEEDLING AND SAPLING	--	--	--	--	--	--	--	--
NONSTOCKED AREAS	--	--	--	--	--	--	--	--
TOTAL	--	--	--	--	--	--	--	--
YWITE SPRUCE:								
SAYTIMBER	344	3,353	--	6,188	10,252	--	3,515	4,360
POLETIMBER	--	2,653	1,375	2,721	--	--	405	1,995
SEEDLING AND SAPLING	163	738	--	664	403	--	--	242
NONSTOCKED AREAS	28	--	--	--	--	--	--	28
TOTAL	113	2,407	1,373	3,516	7,044	--	682	1,371
BALSAM POPLAR:								
SAYTIMBER	--	--	--	5,938	7,234	--	--	6,582
POLETIMBER	--	--	--	1,034	--	--	--	1,034
SEEDLING AND SAPLING	--	--	--	--	--	--	--	--
NONSTOCKED AREAS	--	--	--	--	--	--	--	--
TOTAL	--	--	--	1,478	7,234	--	--	1,452
ASPEN:								
SAYTIMBER	--	--	--	--	--	--	--	--
POLETIMBER	--	--	--	--	--	--	--	--
SEEDLING AND SAPLING	--	--	--	60	--	--	--	11
NONSTOCKED AREAS	--	--	--	--	--	--	--	--
TOTAL	--	--	--	60	--	--	--	10
BIRCH:								
SAWTIMBER	--	--	--	--	--	--	--	--
POLETIMBER	--	--	--	--	--	--	--	--
SEEDLING AND SAPLING	2,013	--	--	--	--	--	--	32
NONSTOCKED AREAS	--	--	--	--	--	--	--	--
TOTAL	135	--	--	--	--	--	--	25
ALL TYPES AND CLASSES	71	1,263	394	1,780	1,388	--	261	419

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

1/ Potential yield per acre, mean annual increment.

TABLE 40--NET ANNUAL GROWTH OF GROWING STOCK ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

DIAMETER CLASS	SOFTWOODS				HARDWOODS				PLL SPECIES
	TAMARACK	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT	THOUSAND CUBIC FEET								
1.0-2.9	--	--	--	--	--	--	--	--	--
3.0-4.9	--	--	--	--	--	--	--	--	--
5.0-6.9	--	500	13	512	20	67	1	60	600
7.0-8.9	--	1/ -1,004	-263	-1,267	33	16	--	49	-1,218
9.0-10.9	--	94	1	95	-19	-22	--	-41	53
11.0-12.9	--	-98	--	-98	--	-85	--	-34	-182
13.0-14.9	--	65	--	65	--	9	--	9	74
15.0-16.9	--	22	--	22	--	8	--	8	31
17.0-18.9	--	14	--	14	--	6	--	6	20
19.0-20.9	--	4	--	4	--	2	--	2	6
21.0-22.9	--	--	--	--	--	1	--	1	1
23.0-24.9	--	--	--	--	--	--	--	--	--
25.0-26.9	--	--	--	--	--	--	--	--	--
27.0-28.9	--	--	--	--	--	--	--	--	--
29.0-30.9	--	--	--	--	--	--	--	--	--
31.0 AND LARGER	--	--	--	--	--	--	--	--	--
ALL CLASSES	--	-404	-249	-653	34	3	1	37	-615

Estimates are subject to sampling error.
Totals may be off because of rounding.
-- = no data were collected.

1/ Negative net annual growth indicates that annual mortality exceeded gross annual growth.

TABLE 41--NET ANNUAL GROWTH OF GROWING STOCK ON TIMBERLAND BY FOREST TYPE AND STAND SIZE CLASS, PLL BLOCKS,
UPPER YUKON UNIT, ALASKA, 1980

SAWTIMBER						
FOREST TYPE	OLD GROWTH	YOUNG GROWTH	POLETIMBER	SEEDLING/SAPLING	NONSTOCKED	ALL CLASSES
THOUSAND CUBIC FEET						
BLACK SPRUCE	--	--	1/ -428	-1,046	--	-1,474
WHITE SPRUCE	--	42	740	73	--	856
TAMARACK	--	--	--	--	--	--
BALSAM POPLAR	--	-47	38	--	--	-9
ASPEN	--	--	--	11	--	11
BIRCH	--	--	--	--	--	--
TOTAL	--	-5	351	-961	--	-615

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

1/ Negative net annual growth indicates that annual mortality exceeded gross annual growth.

TABLE 42--NET ANNUAL GROWTH OF SAWTIMBER ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

DIAMETER CLASS	SOFTWOODS				HARDWOODS				ALL SPECIES
	TAMARACK	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	SALSAM POPLAR	QUAKING PSPEN	TOTAL HARDWOODS	
INCHES AT EASI HEIGHT	THOUSAND BOARD FEET, INTERNATIONAL 1/4-INCH RULE								
1.0-2.9	--	--	--	--	--	--	--	--	--
3.0-4.9	--	--	--	--	--	--	--	--	--
5.0-6.3	--	--	--	--	--	--	--	--	--
7.0-8.9	--	--	--	--	--	--	--	--	--
9.0-10.9	--	554	7	561	--	--	--	--	561
11.0-12.9	--	1/ -535	--	-535	3	-278	--	-276	-811
13.0-14.9	--	404	--	404	--	64	--	64	468
15.0-16.9	--	135	--	135	--	53	--	53	188
17.0-18.9	--	07	--	87	--	44	--	44	130
19.0-20.9	--	28	--	28	--	12	--	12	40
21.0-22.9	--	2	--	2	--	6	--	6	0
23.0-24.9	--	--	--	--	--	--	--	--	--
25.0-26.9	--	--	--	--	--	--	--	--	--
27.0-28.9	--	--	--	--	--	--	--	--	--
29.0-30.9	--	--	--	--	--	--	--	--	--
31.0 AND LARGER	--	--	--	--	--	--	--	--	--
ALL CLASSES	--	675	7	682	3	-100	--	-97	534

Estimates are subject to sampling error.
Totals may be off because of rounding.
-- = no data were collected.

1/ Negative net annual growth indicates that annual mortality exceeded gross annual growth.

TABLE 43--NET INNUAL GROWTH OF SAWTIMBER, ON TIMPERLANO BY FOREST TYPE AND STIND SIZE CLASS, ALL BLOCKS,
UPPER YUKON UNIT, ALASKA, 1980.

FOREST TYPE	OLD GROWTH	YOUNG GROWTH	POLETIMBER	SEEDLING/SAPLING	NONSTOCKED	ALL CLASSES
THOUSAND BOARD FEET INTERNATIONAL 1/4-INCH RULE						
BLACK SPRUCE	--	--	241	130	--	371
WHITE SPRUCE	--	1/ -117	189	147	--	219
TAMARACK	--	--	--	--	--	--
BALSAM POPLAR	--	-64	39	--	--	- 25
ASPEN	--	--	--	19	--	19
BIRCH	--	--	--	--	--	--
TOTAL	--	-181	468	297	--	584

Estimates are subject to samplinp error.
Totals may be off because of rounding.
-- = no data uere collected.

TABLE 44--ANNUAL MORTALITY OF GROWING STOCK ON TIMBERLAND BY DIAMETER CLASS ■ NO SPECIES, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

DIAMETER CLASS	SOFTWOODS			HARDWOODS				ALL SPECIES
	TAMARACK	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS
INCHES AT BREAST HEIGHT	THOUSAND CUBIC FEET							
1.0-2.9	--	--	--	--	--	--	--	--
3.0-4.9	--	--	--	--	--	--	--	--
5.0-6.9	--	371	--	371	--	--	--	371
7.0-8.9	--	1,197	269	1,466	--	--	--	1,466
9.0-10.9	--	73	--	73	20	48	--	141
11.0-12.9	--	165	--	165	--	96	--	261
13.0-14.9	--	--	--	--	--	--	--	--
15.0-16.9	--	--	--	--	--	--	--	--
17.0-18.9	--	--	--	--	--	--	--	--
19.0-20.9	--	--	--	--	--	--	--	--
21.0-22.9	--	--	--	--	--	--	--	--
23.0-24.9	--	--	--	--	--	--	--	--
25.0-26.9	--	--	--	--	--	--	--	--
27.0-28.9	--	--	--	--	--	--	--	--
29.0-30.9	--	--	--	--	--	--	--	--
31.0 AND LARGER	--	--	--	--	--	--	--	--
ALL CLASSES	--	1,805	269	2,074	20	144	--	164
								2,238

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 45--ANNUAL MORTALITY OF GROWING STOCK ON TIMBERLAND BY FOREST TYPE AND STAND SIZE CLASS, ALL BLOCKS,
UPPER YUKON UNIT, ALASKA, 1980.

SAUTHBER						
FOREST TYPE	OLD GROWTH	YOUNG GROWTH	POLETIMBER	SEEDLING/SAPLING	NONSTOCKED	ALL CLASSES
THOUSAND CUBIC FEET						
SLACK SPRUCE	--	--	484	1,116	--	1,600
WHITE SPRUCE	--	338	156	--	--	494
TAMARACK	--	--	--	--	--	--
BALSAM POPLAR	--	96	48	--	--	144
ASPEN	--	--	--	--	--	--
BIRCH	--	--	--	--	--	--
ALL TYPES	--	434	688	1,116	--	2,238

Estimates are subject to sampling error.

Totals may be off because of rounding.

-- = no data were collected.

TABLE 46--ANNUAL MORTALITY OF SAUTIHSEK ON TIMBERLAND BY DIAMETER CLASS AND SPECIES, ALL BLOCKS, UPPER YUKON UNIT, ALASKA, 1980

DIAMETER CLASS	SOFTWOODS				HARDWOODS				ALL SPECIES
	TAMARACK	WHITE SPRUCE	BLACK SPRUCE	TOTAL SOFTWOODS	PAPER BIRCH	BALSAM POPLAR	QUAKING ASPEN	TOTAL HARDWOODS	
INCHES AT BREAST HEIGHT	THOUSAND BOARD FEET, INTERNATIONAL 1/4-INCH RULE								
1.0-2.9	--	--	--	--	--	--	--	--	--
3.0-4.9	--	--	--	--	--	--	--	--	--
5.0-6.9	--	--	--	--	--	--	--	--	--
7.0-8.9	--	--	--	--	--	--	--	--	--
9.0-10.9	--	423	--	423	--	--	--	--	423
11.0-12.9	--	939	--	939	--	341	--	341	1,280
13.0-14.9	--	--	--	--	--	--	--	--	--
15.0-16.9	--	--	--	--	--	--	--	--	--
17.0-18.9	--	--	--	--	--	--	--	--	--
19.0-20.9	--	--	--	--	--	--	--	--	--
21.0-22.0	--	--	--	--	--	--	--	--	--
23.0-24.9	--	--	--	--	--	--	--	--	--
25.0-26.9	--	--	--	--	--	--	--	--	--
27.0-28.9	--	--	--	--	--	--	--	--	--
29.0-30.9	--	--	--	--	--	--	--	--	--
31.0 AND LARGER	--	--	--	--	--	--	--	--	--
ALL CLASSES	--	1,362	--	1,362	--	341	--	341	1,703

Estimates are subject to sampling error.
Totals may be off because of rounding.
-- = no data were collected.

TABLE 47--ANNUAL MORTALITY OF SAUTIHBER ON TIHRERLANO BY FOREST TYPE AND STAND SIZE CLASS, ALL BLOCKS,
UPPER YUKON UNIT, ALASKA, 1980.

FOREST TYPE	SAWTIMBER					ALL CLASSES
	OLD GROWTH	YOUNG GROWTH	POLETIMBER	SEEDLING/SAPLING	NONSTOCKED	
THOUSAND BOARD FEET						
BLACK SPRUCE	--	--	--	--	--	--
WHITE SPRUCE	--	1,362	--	--	--	1,362
TAMARACK	--	--	--	--	--	--
BALSAM POPLAR	--	341	--	--	--	341
ASPEN	--	--	--	--	--	--
BIRCH	--	--	--	--	--	--
ALL TYPES	--	1,703	--	--	--	1,703

Estimator are subject to **sampling** error.
Totals may be off because of rounding.
-- = no data were collected.

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Metric Equivalents

1 inch = 2.54 centimeters
1 foot = 0.3048 meter
1 acre = 0.4047 hectare
1 cubic foot = 0.0283 cubic meter
1 cubic foot per acre = 0.07 cubic meter per hectare
20 cubic feet per acre = 1.3994 cubic meters per hectare
1 square foot of basal area per acre = 0.2296 square meter per hectare
1 mile = 1.609 kilometers

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The 1980 inventory of the forest resources of the Upper Yukon unit was designed to produce inventory estimates of timberland area, volume of timber, and volumes of timber growth and mortality. Timberland area is estimated at 742,000 acres. Cubic-foot volume on all timberland is estimated at 475 million cubic feet. Timber growth and mortality are estimated at 615,000 cubic feet, and 2,238,000 cubic feet, respectively. Detailed tables provide additional breakdowns of inventory results. The inventory was conducted in 1979 and 1980; data compilation was completed in 1984.

Keywords: Forest surveys, timber resources, statistics (**forest**), Alaska (interior).

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