

# Appendix C-1

## GROSS TIMBER ACREAGE BY SUBUNIT

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The estimated gross acreages in each subunit where forestry is one of the designated uses are listed below. This information is based on the timber inventory done by the US Forest Service, US Soil and Conservation Service, and Alaska Department of Natural Resources in 1978-80<sup>1</sup>. High site forests are mixed forests, cottonwood forests, and closed white spruce forests. Low site forests are black spruce forests and open white spruce forests.

These tables also list estimates of the acreage in areas where harvesting is prohibited and in conditional harvest areas in each working circle. See also *Chapter 2 - Forest Management Program* for a description of these areas.

### PHASE 1 - EAST SIDE

	AREA (acres)		TOTAL
	High Sites	Low Sites	
<b>Forestry Co-primary</b>			
Deception Creek 3a	1,770	1,580	3,350
Deception Creek 3b	1,380	1,080	2,460
Deception Creek 4	230	290	520
Deception Creek 5a	3,590	2,480	6,070
Deception Creek 5b	1,930	910	2,840
Deception Creek 6	350	360	710
Deception Creek 7a	1,640	390	2,030
Deception Creek 7b	2,420	730	3,150
Kashwitna 1a	4,060	2,610	6,670
Kashwitna 1b	9,710	6,050	15,760
Willow 6	9,750	460	10,210
Willow 12d	180	1,490	1,670
South Parks Highway 2	13,790	150	13,940
South Parks Highway 11	610	-0-	610
South Parks Highway 12a	6,440	4,470	10,910
South Parks Highway 12b	6,990	2,980	9,970

<sup>1</sup>For information on the inventory methodology, see USDA Soil Conservation Service. 1986. Timber & Vegetation Resources of the Susitna River Basin - Alaska Report. Anchorage, AK 49 pp.+ appendices.

**PHASE 1 - EAST SIDE, cont.**

	AREA (acres)		
	High Sites	Low Sites	TOTAL
<b>Forestry Co-primary (cont.)</b>			
Petersville Road 1a (east)	11,100	260	11,360
Petersville Road 6d	-0-	-0-	-0-
Petersville Road 7d	170	-0-	170
<i>Subtotal</i>	<b>76,110</b>	<b>26,290</b>	<b>102,400</b>
<b>Forestry Secondary</b>			
South Parks Highway 9c	780	-0-	780
South Parks Highway 14b	850	380	1,230
Willow 4a	4,060	1,230	5,290
Petersville Road 3a	570	<10	570
Petersville Road 3g	100	-0-	100
Petersville Road 6c	2,170	400	2,570
Petersville Road 7c	1,960	80	2,040
<i>Subtotal</i>	<b>10,490</b>	<b>2,090</b>	<b>12,580</b>
<b>Personal Use</b>			
South Parks Highway 4a	1,360	40	1,400
South Parks Highway 4f	4,200	220	4,420
South Parks Highway 4g	580	80	660
South Parks Highway 10b	660	560	1,220
Petersville Road 2b	2,940	20	2,960
<i>Subtotal</i>	<b>9,740</b>	<b>920</b>	<b>10,660</b>
<b>PHASE 1 - EAST SIDE: TOTAL</b>	<b>96,340</b>	<b>29,300</b>	<b>125,640</b>
<b>PHASE 1 - EAST SIDE: NET</b> <i>(excludes prohibited areas)</i>	<b>75,430-</b> <b>81,990</b>	<b>22,050-</b> <b>24,070</b>	<b>97,480-</b> <b>106,060</b>
<i>Prohibited Areas</i>	14,350- 20,910	5,230- 7,250	19,580- 28,160
<i>Conditional Areas</i>	15,160- 25,030	2,990- 5,750	18,150- 30,780

**PHASE 1 - MT. SUSITNA**

	AREA (acres)		TOTAL
	High Sites	Low Sites	
<b>Forestry Co-primary</b>			
Mount Susitna 2b	5,420	70	5,490
Mount Susitna 2c (west)	14,720	240	14,960
<i>Subtotal</i>	<i>20,140</i>	<i>310</i>	<i>20,450</i>
<b>Personal Use</b>			
Mount Susitna 4a (west)	60	-0-	60
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<b>PHASE 1- MT. SUSITNA: TOTAL</b>	<b>20,200</b>	<b>310</b>	<b>20,510</b>
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<b>PHASE 1- MT. SUSITNA: NET</b> <i>(excludes prohibited areas)</i>	<b>18,680-</b> <b>19,110</b>	<b>290</b>	<b>18,970-</b> <b>19,400</b>
<i>Prohibited Areas</i>	<i>1,090-</i> <i>1,520</i>	<i>20</i>	<i>1,110-</i> <i>1,540</i>
<i>Conditional Areas</i>	<i>3,070-</i> <i>4,750</i>	<i>10-40</i>	<i>3,080-</i> <i>4,790</i>

**PHASE 2**

	AREA (acres)		TOTAL
	High Sites	Low Sites	
<b>Forestry Co-primary</b>			
Willow 8a	7,820	3,090	10,910
Susitna Lowlands 11a	31,270	10,190	41,460
Susitna Lowlands 12b	8,910	3,220	12,130
Susitna Lowlands 14e	5,780	250	6,030
Petersville Road 1a (west)	15,010	3,700	18,710
<i>Subtotal</i>	<i>68,790</i>	<i>20,450</i>	<i>89,240</i>
<b>Forestry Secondary</b>			
Susitna Lowlands 9a	3,420	1,920	5,340
Susitna Lowlands 11c	620	<10	620
Susitna Lowlands 11f	610	40	650
Susitna Lowlands 14a	9,600	12,490	22,090
<i>Subtotal</i>	<i>14,250</i>	<i>14,450</i>	<i>28,700</i>
<b>Resource Management</b>			
Susitna Lowlands 9c	6,230	2,970	9,200
Susitna Lowlands 12a	12,960	2,480	15,440
<i>Subtotal</i>	<i>19,190</i>	<i>5,450</i>	<i>24,640</i>
<b>PHASE 2: TOTAL</b>	<b>102,230</b>	<b>40,350</b>	<b>142,580</b>
<b>PHASE 2: NET</b> <i>(excludes prohibited areas)</i>	<b>93,080-</b> <b>96,870</b>	<b>37,170-</b> <b>38,870</b>	<b>131,040-</b> <b>135,750</b>
<i>Prohibited Areas</i>	5,350- 8,360	1,480- 3,180	6,830- 11,540
<i>Conditional Areas</i>	9,480- 20,900	2,340- 6,750	11,820- 27,650

**PHASE 3**

	AREA (acres)		TOTAL
	High Sites	Low Sites	
<b>Forestry Co-primary</b>			
Susitna Lowlands 3a <sup>2</sup>	3,040	30	3,070
Susitna Lowlands 5a	3,430	30	3,460
Susitna Lowlands 5f	7,410	1,250	8,660
Susitna Lowlands 6e	4,720	3,860	8,580
Susitna Lowlands 7a	22,630	1,140	23,770
Susitna Lowlands 13b	2,530	580	3,110
Mount Susitna 2c (east)	9,930	2,430	12,360
Mount Susitna 3f	90	<10	90
Alaska Range 1b	3	-	-
<b>Subtotal</b>	<b>53,780</b>	<b>9,320</b>	<b>63,100</b>
<b>Forestry Secondary</b>			
Sunflower Basin 6a	3,160	1,580	4,740
Sunflower Basin 6c	1,440	830	2,270
Susitna Lowlands 1a and 1b	32,500	8,110	40,610
Susitna Lowlands 2a <sup>2</sup>	34,740	2,590	37,330
Susitna Lowlands 2d	940	50	990
Susitna Lowlands 3c <sup>2</sup>	370	-0-	370
Susitna Lowlands 6a	12,430	2,780	15,210
Susitna Lowlands 13d	10,320	2,060	12,380
Susitna Lowlands 13e	2,220	160	2,380
Mount Susitna 5a	2,660	-0-	2,660
<b>Subtotal</b>	<b>100,780</b>	<b>18,160</b>	<b>118,940</b>

<sup>2</sup> The acreages listed in this subunit do not include the western part of this subunit. The western part is outside the area where detailed maps (1:63,360 scale) of vegetation are available. The existing inventory in the western part of the subunit is inadequate for estimating acreage and volume.

<sup>3</sup> This subunit is outside the area for which detailed vegetation maps (1:63,360 scale) are available. Existing information is inadequate to estimate the timber acreage and volume in this subunit.

**PHASE 3, cont.**

	AREA (acres)		
	High Sites	Low Sites	TOTAL
<b>Resource Management</b>			
Susitna Lowlands 2f	3,710	250	3,960
Susitna Lowlands 5b	400	0	400
Susitna Lowlands 6b	7,130	1,390	8,520
Susitna Lowlands 8b	13,660	3,320	16,980
Mount Susitna 3c	770	-0-	770
Mount Susitna 4d	11,110	580	11,690
Mount Susitna 6c	4	-	-
<i>Subtotal</i>	<i>36,780</i>	<i>5,540</i>	<i>42,320</i>
<b>Personal Use</b>			
Susitna Lowlands 4b	11,310	1,090	12,400
Mount Susitna 4a (east)	1,160	-0-	1,160
<i>Subtotal</i>	<i>12,470</i>	<i>1,090</i>	<i>13,560</i>
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<b>PHASE 3: TOTAL</b>	<b>203,810</b>	<b>34,110</b>	<b>237,920</b>
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<b>PHASE 3: NET</b>	<b>186,710-</b>	<b>31,610-</b>	<b>218,320-</b>
<i>(excludes prohibited areas)</i>	<b>197,380</b>	<b>33,340</b>	<b>230,720</b>
<i>Prohibited Areas</i>	6,430-	770-	7,200-
	17,100	2,500	19,600
<i>Conditional Areas</i>	9,500-	1,540-	11,040-
	31,460	5,320	36,780

<sup>4</sup> This subunit is outside the area for which detailed vegetation maps (1:63,360 scale) are available. Existing information is inadequate to estimate the timber acreage and volume in this subunit.

**GROSS TOTAL FOR STATE LANDS DESIGNATED FOR FORESTRY***(Forestry co-primary use, secondary use, resource management, reserved use, or personal use)*

	<b>High Sites</b>	<b>Low Sites</b>	<b>TOTAL</b>
	<b>422,580</b>	<b>104,070</b>	<b>526,650</b>
<b>ESTIMATED NET TOTAL</b>	<b>374,690</b>	<b>91,120-</b>	<b>465,810-</b>
<i>(excludes prohibited areas)</i>	<b>395,360</b>	<b>96,570</b>	<b>491,930</b>
<b>Total prohibited areas</b>	<b>27,220-</b>	<b>7,500-</b>	<b>34,720-</b>
	<b>47,890</b>	<b>12,950</b>	<b>60,840</b>
<b>Total conditional areas</b>	<b>37,210-</b>	<b>6,880-</b>	<b>44,090-</b>
	<b>82,140</b>	<b>17,860</b>	<b>100,000</b>

**STATE LANDS NOT DESIGNATED FOR FORESTRY***(Settlement lands, Agriculture lands, Legislatively Designated areas, and other state lands)*

<b>339,140</b>	<b>83,030</b>	<b>422,170</b>
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**BOROUGH LANDS***(Matanuska-Susitna Borough and Kenai Peninsula Borough lands)*

<b>105,250</b>	<b>10,270</b>	<b>115,520</b>
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**PRIVATE LANDS***(Native corporation lands, other private lands, university lands, and railroad grant lands)*

<b>79,270</b>	<b>12,610</b>	<b>91,880</b>
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