

# Appendix G:

## Timber Suitability

### Background

The planning regulations at 36 CFR 219.14 require lands suited or not suited for timber production to be identified as part of the forest planning process. The following table displays the results of this process and the suitable and available land base associated with the Revised Forest Plan.

The information was derived from the Rocky Mountain Resource Information System (RMRIS). Maps of individual RIS sites were scanned and processed using ARC/INFO. The data represents RIS sites as they appeared in the summer of 1995. Some errors may have occurred due to drawing of the maps, coding of the information, or processing in the ARC/INFO system. Continual refinement of this information will occur. These corrections will be maintained in the RMRIS data base.

The suitability determination is used in developing the allowable sale quantity. It does not imply that timber harvest will be limited to these lands. Unscheduled commercial harvest may occur on unsuitable lands to meet other multiple use objectives where provided for in standards and guidelines.

A map displaying these acres accompanies this document.

**Table G-1. Land Suitable Or Not Suitable For Timber Harvest**

	Acres of Classification	Running Totals after Deduction
<b>Black Hills National Forest Acres</b>		1,531,715
a. Less Private land	289,002	
<b>Net National Forest Acres</b>		1,242,713
b. Less Non-forested Acres (36CFR219.14(a)(1))		
Meadows, Rock, etc.		
Non-vegetated	8,717	
Grassland	104,174	

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	Acres of Classification	Running Totals after Deduction
Shrubland	3,085	
Water	2,012	
TOTAL	117,988	1,124,725
<b>Total Forested</b>		<b>1,124,725</b>
c. Less Forested Portion of Areas Administratively Withdrawn (36CFR219.14(a)(4))		
Black Elk Wilderness (MA 1.1A)	9,831	
TOTAL	9,831	1,114,894
d. Less Areas Not Technologically Feasible Without Resource Damage (36CFR219.14(a)(2))		
Unstable Soils (Comp. 720 & 722)	9,101	
Not Accessible (Comp. 721 & 701)	35,354	
TOTAL	44,455	1,070,439
e. Less Areas That Cannot Be Restocked Within 5 Years (Comp. 710) (36CFR219.14(a)(3))	1,693	
TOTAL	1,693	1,068,746
<b>Tentatively Suitable (See 36cfr219.14 (B))</b>		<b>1,068,746</b>
<b>Tentatively Suitable (See 36CFR219.14 (b))</b>		<b>1,068,746</b>
f. Less Areas Incapable of Producing Industrial Wood (Hardwoods)		
Aspen (Comp. 822)	48,062	
Oak (Comp. 826)	8,881	
Other Hardwoods (Comp. 831 & 900)	3,328	
TOTAL	60,271	1,008,475
g. Less Areas With Inadequate Response Information (Comp.740)	43,935	
TOTAL	43,935	964,540
h. Less Remaining Portions of Areas Managed for Other Multiple-Use Objectives or to meet NFMA Management Requirements (36CFR219.14(c)(1) or (2))		
Late Successional Landscapes (MA 3.7, Comp. 802)	14,427	
Late Successional Sites (Comp. 801)	24,504	
Botanical Areas (MA 3.1, Comp. 803)	6,075	

	Acres of Classification	Running Totals after Deduction
Riparian Areas (MA 804)	4,407	
Experimental Forest (MA 5.3A, Comp. 810)	3,368	
Experimental Watershed (MA 5.3B, Comp. 810)	886	
Developed Recreation Sites (Comp. 825)	892	
Administrative Sites (Comp. 850)	318	
Seed Collection Sites (Comp. 860)	42	
Backcountry Recreation Areas (MA 3.31 and 3.32, Comp. 871)	12,710	
Spearfish Canyon (MA 4.2A, Comp. 871)	6,391	
Inyan Kara Mountain (MA 3.2A, Comp. 872))	1,171	
Southern Hills (MA 5.1A, Comp. 872)	11,533	
TOTAL	86,724	877,816
i. Less Remaining Areas Uneconomical For Timber Harvest (36 CFR 219.14(c)(3))		
Steep Slopes (Comp. 820 & 821)	6,884	
Roading Problems (Comp. 823)	2,461	
Isolated Patches (Comp. 824)	2,581	
TOTAL	11,926	865,890
<b>Suitable And Available Acres</b>		<b>865,890</b>
j. Suitable Acres With Recreation or Visual Emphasis		
Ponderosa Pine	28,887	
White Spruce	1,436	
TOTAL	30,323	835,567
k. Suitable Acres With Wildlife Emphasis		
Ponderosa Pine	337,702	
White Spruce	534	
TOTAL	338,236	497,331
l. Suitable Acres With Timber Emphasis		
Ponderosa Pine	482,961	
White Spruce	14,370	
TOTAL	497,331	0