

January 2009 **Blue Mountains Forest Plan revision**
 Other Required Timber Related Tables Required by FSH 1909.12 (land management planning handbook)

62 - Exhibit 01

Availability Of Areas For Timber Suitability Summary (Malheur)

Category	Acres	Acres Generally Not Available for Timber Harvest	Acres Generally Available for Timber Harvest	Acres Not Suitable for Timber Production
1. Total National Forest System Lands within the plan area	1,710,000			
2. Lands generally not available for timber harvest (sec. 62.1)		250,000		250,000
a. Lands not available for timber harvest due to statute, Executive order, regulation, policy or physical and biological conditions (sec. 62.1)		250,000		
b. Lands where timber harvest is not compatible with desired conditions and objectives (sec. 62.1)				
3. Lands generally available for timber harvest (sec. 62.2)			1,460,000	
a. Lands suitable for timber production (sec. 62.21) ¹			790,000	
b. Other lands where trees may be harvested for multiple use values other than timber production (sec. 62.22)			670,000	<u>670,000</u>
4. Lands generally not suitable for timber production, all lands except 3(a). (sec. 62.3)				920,000

¹ Timber production achieves or is consistent with desired conditions and objectives.

Availability Of Areas For Timber Suitability Summary (Umatilla)

Category	Acres	Acres Generally Not Available for Timber Harvest	Acres Generally Available for Timber Harvest	Acres Not Suitable for Timber Production
1. Total National Forest System Lands within the plan area	1,4000			
2. Lands generally not available for timber harvest (sec. 62.1)		500,000		500,000
a. Lands not available for timber harvest due to statute, Executive order, regulation, policy or physical and biological conditions (sec. 62.1)		500,000		
b. Lands where timber harvest is not compatible with desired conditions and objectives (sec. 62.1)				
3. Lands generally available for timber harvest (sec. 62.2)			900,000	
a. Lands suitable for timber production (sec. 62.21) ¹			450,00	
b. Other lands where trees may be harvested for multiple use values other than timber production (sec. 62.22)			450,000	<u>450,000</u>
4. Lands generally not suitable for timber production, all lands except 3(a). (sec. 62.3)				950,000

¹ Timber production achieves or is consistent with desired conditions and objectives.

Availability Of Areas For Timber Suitability Summary (Wallowa-Whitman)

Category	Acres	Acres Generally Not Available for Timber Harvest	Acres Generally Available for Timber Harvest	Acres Not Suitable for Timber Production
1. Total National Forest System Lands within the plan area	1,779,000			
2. Lands generally not available for timber harvest (sec. 62.1)		620,000		620,000
a. Lands not available for timber harvest due to statute, Executive order, regulation, policy or physical and biological conditions (sec. 62.1)		652,000		
b. Lands where timber harvest is not compatible with desired conditions and objectives (sec. 62.1)				
3. Lands generally available for timber harvest (sec. 62.2)			1,159,000	
a. Lands suitable for timber production (sec. 62.21) ¹			584,000	
b. Other lands where trees may be harvested for multiple use values other than timber production (sec. 62.22)			575,000	<u>575,000</u>
4. Lands generally not suitable for timber production, all lands except 3(a). (sec. 62.3)				1,195,000

¹ Timber production achieves or is consistent with desired conditions and objectives.

65.5 - Exhibit 01**Malheur Estimated Vegetation Management Practices****(Annual Average Treatment Area (Acres) in First Decade for Lands Generally Suitable for Timber Harvest)**

Practice	Primary Management Emphasis¹					
Lands where Timber Production Achieves, or is Compatible with Desired Conditions and Objectives	Timber Prod.	Water Yield	Wildlife/ Fisheries	Recreation/ Scenery	Fire/Fuels/ Forest Health	Other Totals
	Regeneration Cutting (even- or two-aged) ²					350
Uneven-aged Management					650	
Intermediate Harvest					-	
Commercial Thinning					4,300	
Salvage/Sanitation					1,350	
Other Harvest Cutting					-	
Reforestation ³					475	
Timber Stand Improvement					2,800	
Other Lands		Water Yield	Wildlife/ Fisheries	Recreation/ Scenery	Fire/Fuels/ Forest Health	Other Totals
Regeneration Cutting (even- or two-aged) ²			15			
Uneven-aged Management			35			
Intermediate Harvest			-			
Commercial Thinning			225			
Salvage/Sanitation			70			
Other Harvest Cutting			-			
Reforestation			25			
Timber Stand Improvement			150			

¹ Primary management emphasis categories defined on the following page.

² Two-aged methods regenerate and maintain stands with two-age classes. The resulting stand may be two-aged or tend towards an uneven-aged condition. Two-aged methods include clearcutting with reserves, seed tree with reserves, and shelterwood with reserves.

³ Includes both natural and artificial regeneration.

65.5 - Exhibit 01**Umatilla Estimated Vegetation Management Practices****(Annual Average Treatment Area (Acres) in First Decade for Lands Generally Suitable for Timber Harvest)**

Practice	Primary Management Emphasis¹						
Lands where Timber Production Achieves, or is Compatible with Desired Conditions and Objectives	Timber Prod.	Water Yield	Wildlife/Fisheries	Recreation/Scenery	Fire/Fuels/Forest Health	Other	Totals
Regeneration Cutting (even- or two-aged) ²					425		
Uneven-aged Management					850		
Intermediate Harvest					-		
Commercial Thinning					5,700		
Salvage/Sanitation					1,700		
Other Harvest Cutting					-		
Reforestation ³					475		
Timber Stand Improvement					5,500		
Other Lands		Water Yield	Wildlife/Fisheries	Recreation/Scenery	Fire/Fuels/Forest Health	Other	Totals
Regeneration Cutting (even- or two-aged) ²			25				
Uneven-aged Management			50				
Intermediate Harvest			-				
Commercial Thinning			350				
Salvage/Sanitation			100				
Other Harvest Cutting			-				
Reforestation			25				
Timber Stand Improvement			300				

65.5 - Exhibit 01**Wallowa-Whitman Estimated Vegetation Management Practices****(Annual Average Treatment Area (Acres) in First Decade for Lands Generally Suitable for Timber Harvest)**

Practice	Primary Management Emphasis¹						
Lands where Timber Production Achieves, or is Compatible with Desired Conditions and Objectives	Timber Prod.	Water Yield	Wildlife/Fisheries	Recreation/Scenery	Fire/Fuels/Forest Health		
					Other	Totals	
Regeneration Cutting (even- or two-aged) ²						375	
Uneven-aged Management						750	
Intermediate Harvest						-	
Commercial Thinning						5,000	
Salvage/Sanitation						1,500	
Other Harvest Cutting						-	
Reforestation ³						475	
Timber Stand Improvement						4,300	
Other Lands		Water Yield	Wildlife/Fisheries	Recreation/Scenery	Fire/Fuels/Forest Health		
					Other	Totals	
Regeneration Cutting (even- or two-aged) ²			25				
Uneven-aged Management			50				
Intermediate Harvest			-				
Commercial Thinning			250				
Salvage/Sanitation			100				
Other Harvest Cutting			-				
Reforestation			25				
Timber Stand Improvement			225				

¹ Primary management emphasis categories defined on the following page.

² Two-aged methods regenerate and maintain stands with two-age classes. The resulting stand may be two-aged or tend towards an uneven-aged condition. Two-aged methods include clearcutting with reserves, seed tree with reserves, and shelterwood with reserves.

³ Includes both natural and artificial regeneration.

65.5 - Exhibit 02**Timber Productivity Classification**

Malheur

Potential Growth (Cubic Feet/Acre/Year)¹	Lands on which Timber Production is one of the Management Objectives (Acres)	Other Lands (Acres)
Less than 20	93,300	119,700
20-49	331,200	266,900
50-84	363,200	264,500
85-119		
120-164		
165-224		
225+		

Juniper = <20 cu ft/ac/yr, XP= <20, sw=<20, Dg= 50-80, DP= 20-50, DD= 20-50, CM= 50-80, CD = 20-50.

¹ Potential growth is expressed in terms of the annual cubic volume growth per acre at culmination of mean annual increment (CMAI) in fully stocked natural stands

Umatilla

Potential Growth (Cubic Feet/Acre/Year)¹	Lands on which Timber Production is one of the Management Objectives (Acres)	Other Lands (Acres)
Less than 20	42,300	14,670
20-49	177,600	249,100
50-84	216,900	185,800
85-119		
120-164		
165-224		
225+		

Wallowa-Whitman

Potential Growth (Cubic Feet/Acre/Year)¹	Lands on which Timber Production is one of the Management Objectives (Acres)	Other Lands (Acres)
Less than 20	20,500	28,800
20-49	372,200	293,700
50-84	185,500	258,200
85-119		
120-164		
165-224		
225+		

65.5 - Exhibit 03

**Malheur Timber Sale Program Quantity¹
(Annual Average Volume Outputs for First Decade)**

Practice	Timber Sale Program Quantity (TSPQ) By Management Emphasis ²						Totals
	Timber Prod.	Water Yield	Wildlife/ Fisheries	Recreation/ Scenery	Fire/Fuels/ Forest Health	Other	
Regeneration Cutting (even- or two-aged)					6.7		
Uneven-aged Management					13.3		
Intermediate Harvest					-		
Commercial Thinning					86.5		
Salvage/Sanitation					13.3		
Other Harvest Cutting					14.3		
Subtotal, Sawtimber (MMBF)					26.6		
Subtotal, All Products (MMCF)					147.3		
Other Lands ³		Water Yield	Wildlife/ Fisheries	Recreation/ Scenery	Fire/Fuels/ Forest Health	Other	Totals
Regeneration Cutting (even- or two-aged)			0.3				
Uneven-aged Management			0.7				
Intermediate Harvest			-				
Commercial Thinning			4.6				
Salvage/Sanitation			1.6				
Other Harvest Cutting			0.8				
Subtotal, Sawtimber (MMBF)			1.4				
Subtotal, All Products (MMCF)			7.8				
Grand Totals – Sawtimber (MMBF)			28				
Grand Totals, All Products (MMCF)			155.1				

¹ To be expressed to nearest 0.1 million cubic feet (MMCF). Use local conversion ratios for BF/CF conversions.

² See exhibit 01 for primary management emphasis category definitions.

³ Other lands, where harvest for multiple-use objectives other than timber production (including salvage sales) may take place as described in section 62.22.

65.5 - Exhibit 03

Umatilla Timber Sale Program Quantity¹
(Annual Average Volume Outputs for First Decade)

Practice	Timber Sale Program Quantity (TSPQ) By Management Emphasis ²						
	Timber Prod.	Water Yield	Wildlife/ Fisheries	Recreation/ Scenery	Fire/Fuels/ Forest Health	Othe r	Totals
Lands where Timber Production Achieves, or is Compatible with Desired Conditions and Objectives							
Regeneration Cutting (even- or two-aged)					5.2		
Uneven-aged Management					10.5		
Intermediate Harvest					-		
Commercial Thinning					68		
Salvage/Sanitation					20.9		
Other Harvest Cutting					33.3		
Subtotal, Sawtimber (MMBF)					20.9		
Subtotal, All Products (MMCF)					137.8		
Other Lands³							
Regeneration Cutting (even- or two-aged)			0.3				
Uneven-aged Management			0.7				
Intermediate Harvest			-				
Commercial Thinning			4.7				
Salvage/Sanitation			1.5				
Other Harvest Cutting			1.8				
Subtotal, Sawtimber (MMBF)			1.1				
Subtotal, All Products (MMCF)			7.3				
Grand Totals – Sawtimber (MMBF)			22				
Grand Totals, All Products (MMCF)			145.1				

¹ To be expressed to nearest 0.1 million cubic feet (MMCF). Use local conversion ratios for BF/CF conversions.

² See exhibit 01 for primary management emphasis category definitions.

³ Other lands, where harvest for multiple-use objectives other than timber production (including salvage sales) may take place as described in section 62.22.

65.5 - Exhibit 03

**Wallowa-Whitman Timber Sale Program Quantity¹
(Annual Average Volume Outputs for First Decade)**

Practice	Timber Sale Program Quantity (TSPQ) By Management Emphasis ²						Totals
	Timber Prod.	Water Yield	Wildlife/ Fisheries	Recreation/ Scenery	Fire/Fuels/ Forest Health	Other	
Regeneration Cutting (even- or two-aged)					2.8		
Uneven-aged Management					7.6		
Intermediate Harvest					-		
Commercial Thinning					49.4		
Salvage/Sanitation					15.2		
Other Harvest Cutting					57		
Subtotal, Sawtimber (MMBF)					15.2		
Subtotal, All Products (MMCF)					133		
Other Lands ³		Water Yield	Wildlife/ Fisheries	Recreation/ Scenery	Fire/Fuels/ Forest Health	Other	Totals
Regeneration Cutting (even- or two-aged)			0.2				
Uneven-aged Management			0.4				
Intermediate Harvest			-				
Commercial Thinning			2.6				
Salvage/Sanitation			0.8				
Other Harvest Cutting			0.3				
Subtotal, Sawtimber (MMBF)			0.8				
Subtotal, All Products (MMCF)			7				
Grand Totals – Sawtimber (MMBF)			16				
Grand Totals, All Products (MMCF)			140				

¹ To be expressed to nearest 0.1 million cubic feet (MMCF). Use local conversion ratios for BF/CF conversions.

² See exhibit 01 for primary management emphasis category definitions.

³ Other lands, where harvest for multiple-use objectives other than timber production (including salvage sales) may take place as described in section 62.22.

65.5 - Exhibit 04

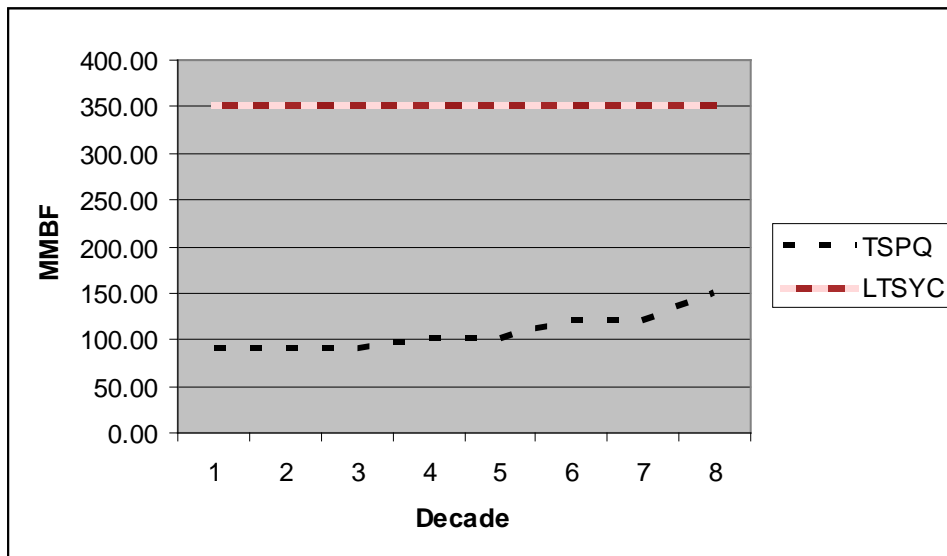
EXAMPLE 1

**Display of Long-term Sustained-yield Capacity
and Timber Sale Program Quantity¹**

Total for Blue Mountains

(Will be separated by Forest in next version)
(Will also be displayed by CCF in next version)

Display of Long-term Sustained-yield Capacity
and Timber Sale Program Quantity on
Lands Suitable for **Timber Production**
Measured in Millions of board feet



65.5 - Exhibit 05a**Blue Mountains Current Conditions and Estimated Trends of Successional Stage
for Lands Generally Suitable for Timber Harvest**

Successional Stage Distribution (Percent)		Historic Range of Variation	Present Forest	Desired Future Forest	Projected Forest in 50 years
Cold forest	Stand initiation	22-38%	20	22-38%	35
Cold forest	Stem exclusion	16-27	13	16-27	18
Cold forest	Understory reinitiation	15-25	37	15-25	34
Cold forest	Old forest multistory	12-20	26	12-20	11
Cold forest	Old forest singlestory	10-16	4	10-16	2
Moist forest	Stand initiation	20-34	13	20-34	12
Moist forest	Stem exclusion	22-31	11	22-31	20
Moist forest	Understory reinitiation	14-23	46	14-23	32
Moist forest	Old forest multistory	11-16	24	11-16	26
Moist forest	Old forest singlestory	12-17	6	12-17	9
Dry forest	Stand initiation	13-28	10	13-28	13
Dry forest	Stem exclusion	10-22	19	10-22	26
Dry forest	Understory reinitiation	0-7	53	0-7	16
Dry forest	Old forest multistory	1-17	16	1-17	22
Dry forest	Old forest singlestory	41-63	2	41-63	24

65.5 - Exhibit 05b

**Forest Conditions where Timber Production Achieves, or is Compatible with,
Desired Conditions and Resource Objectives
(from CVS/FVS summary tables)**

Malheur

	Lands where Timber Production Achieves, or is Compatible with, Desired Conditions and Resource Objectives² Measured in Millions of Cubic Feet (MMCF)		
Present Forest:	Cold forest	Moist forest	Dry forest
Growing Stock	90.6	41.4	894.4
Live Cull	36.3	13.5	206
Salvable Dead	0	0	0
Annual Mortality	0.031	0.950	9.7
Net Annual Growth	0.160	6.92	32.7
Future Forest:³	na		
Growing Stock			
Net Annual Growth			
Rotation Age ⁴			

Umatilla

	Lands where Timber Production Achieves, or is Compatible with, Desired Conditions and Resource Objectives² Measured in Millions of Cubic Feet (MMCF)		
Present Forest:	Cold	Moist	Dry
Growing Stock	49.8	243.9	304.8
Live Cull	19.6	70.7	71.1
Salvable Dead	0	0	0
Annual Mortality	0.646	0.946	3.71
Net Annual Growth	3.99	5.38	11.54
Future Forest:³	na		
Growing Stock			
Net Annual Growth			
Rotation Age ⁴			

Wallowa-Whitman

	Lands where Timber Production Achieves, or is Compatible with, Desired Conditions and Resource Objectives²		
	Measured in Millions of Cubic Feet (MMCF)		
Present Forest:	Cold	Moist	Dry
Growing Stock	104.8	311.8	484.4
Live Cull	36.9	76.4	104.6
Salvable Dead	0	0	0
Annual Mortality	0.313	4.33	4.17
Net Annual Growth	1.772	17.04	14.83
Future Forest:³	na		
Growing Stock			
Net Annual Growth			
Rotation Age ⁴			